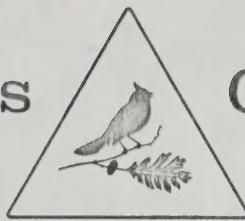


Illinois Nature Preserves Commission



320 SOUTH THIRD STREET
ROCKFORD, ILLINOIS 61108
815/964-6666

NOTICE OF EIGHTY-FOURTH MEETING

The 84th meeting of the Illinois Nature Preserves Commission will be held on Monday, June 1, 1981, beginning at 10:00 a.m. in the offices of the McHenry County Conservation District, 6512 Harts Road, Ringwood, Illinois.

A field trip is being planned for Sunday afternoon, May 31, starting from the McHenry County Conservation District's office at 2:00 p.m. An informal cookout will be held Sunday evening following the field trip.

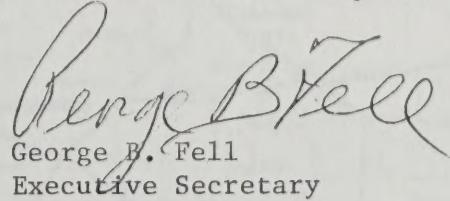
Lodging is available at the following motels:

Drake Motel, Richmond, Illinois: Intersection of Routes 31 and 12, approximately 3 miles from meeting site. (small, with restaurant nearby) Rates: \$25.00 double occupancy, \$19.00 single occupancy.

Martinetti's, Crystal Lake, Illinois: One mile west of Intersection of Routes 14 and 31 on Route 14, approximately 15 miles from meeting site. (large resort type motel with coffee shop and restaurant) Rates: \$34.00 double occupancy, \$26.00 single occupancy.

We will make lodging reservations for you if you so request.

Please provide the requested information on the accompanying form and return it as soon as possible so that we can complete the arrangements.



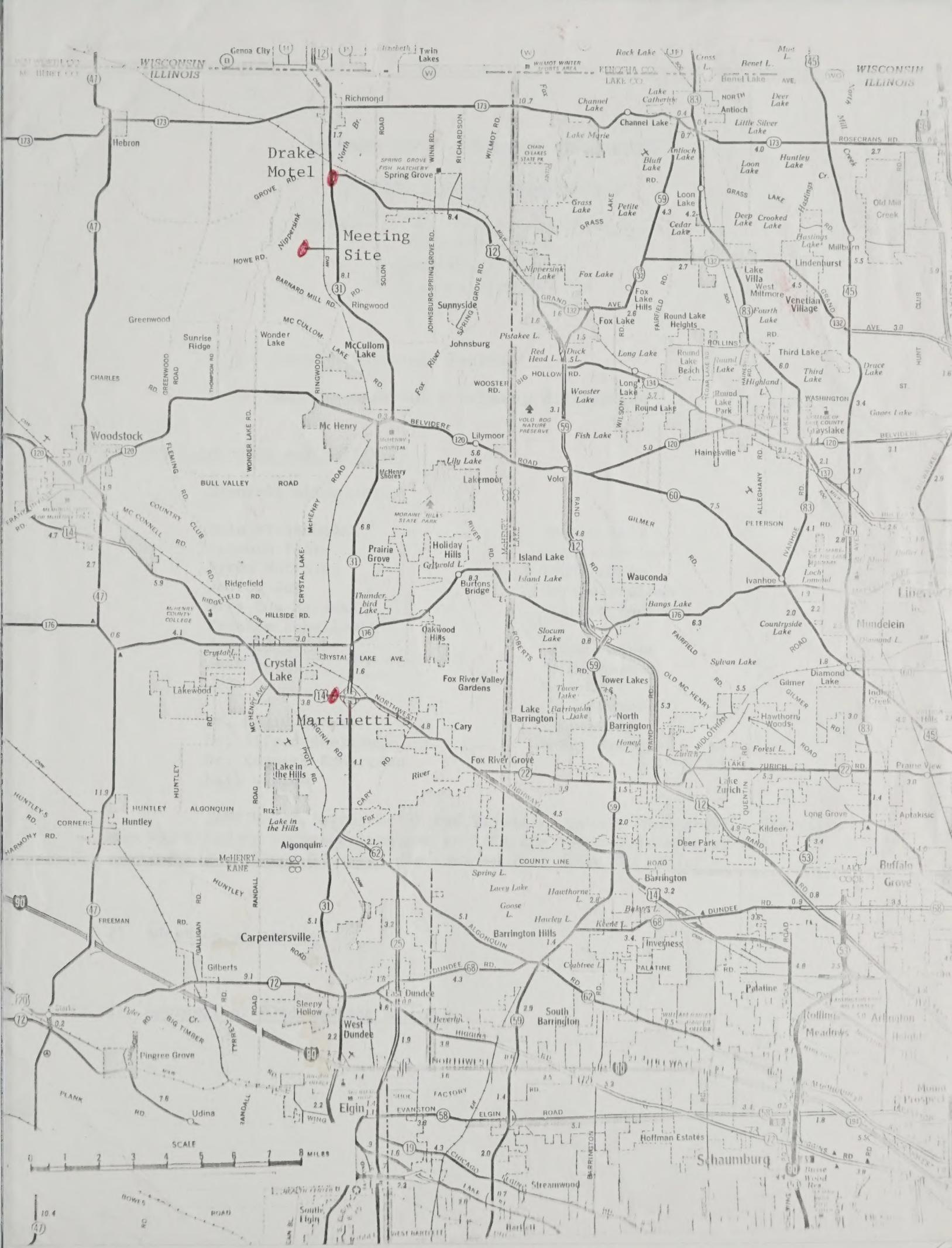
George B. Fell
Executive Secretary

June 12, 1981



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ILLINOIS NATURE PRESERVES COMMISSION

AGENDA--EIGHTY-FOURTH MEETING

McHenry County Conservation District
6512 Harts Road
Ringwood, Illinois
10:00 a.m., June 1, 1981

* Documentary materials enclosed

Documentary material previously distributed

1) Call to order and roll call

Possible attendants:

Dale Birkenholz	George Fell
Kenneth Fiske	Marlin Bowles
Byron Hutchins	Lydia Meyer
Judith Joy	Gerald Paulson
Mary Lou Marzuki	Stephen Packard
Preston Schellbach	
Jerrold Soesbe	Glenn Harper
Jeff Voigt, Vermilion Co. Conservation District	Al Mickelson
	Matt Rice
Dr. David Kenney	Carl Becker
Dr. Alfred Koelling	Fran Harty
Dr. Kenneth Robertson	Randy Nyboer
Neil Gaston	

Jeff Voigt, Director of the Vermilion County Conservation District, was appointed by Governor Thompson to fill the vacancy created by the resignation of Nancy Ranney. His term expires June 30, 1983.

2) Adoption of agenda

3) Approval of 83rd meeting minutes

* 4) Report of INPC staff

5) Report of Department of Conservation staff

6) Next meeting arrangements

Designated time and place: Monday, August 3, 1981 -- Western Illinois University, Macomb, Illinois.

7) Election of consultants

The following consultants were elected for a one-year term on June 5, 1980:

Dr. Robert Betz

Ralph Brown *Nature Conservancy*

Dr. Roger Findley, *Past Chairman*

Neil Gaston, *Lawyer - formerly of Nat. Conservancy*

Dr. Willard D. Klimstra, *Past Chairman*

Dr. Alfred Koelling

Dr. Kenneth Robertson

Edmund B. Thornton *Past Chairman - can talk directly to Governor*
Warren DeWalt also a consultant, but elected at a different time. - Past Chairman
Ill. Audubon Society

ACTION TO BE CONSIDERED:

Elect Consultants - Done

AREAS

* 8) Cook Co.--Somme Prairie

Prior action: Preliminary approval of dedication 83-9(R578); staff directed to survey area for potential habitat for endangered species and report concerning the character and quality of portions of the area that do not have prairie vegetation.

REPORT

Packard

* 9) Johnson & Pulaski counties--Lower Cache swamps

Prior action: acquisition of the Showmaker tract by the Department of Conservation by whatever means is necessary, including condemnation, urged 83-21(R586)

REPORT

Harper
Becker
DOC tentative agreement of WestVaco

10) Lake Co.--Barat Ravine

Prior action: Commission encourages staff to pursue negotiations for preservation and to secure legal advice if necessary 79-12(R548)

Plans for the Havenwood development incorporate construction of storm detention structures in the bottom of the ravine. Staff has recommended that the City of Lake Forest acquire a conservation easement on private land to protect the other side of the ravine.

REPORT

Paulson - no longer pursue dedication as a Nature Preserve

* 11) Lake Co.--MacArthur Woods

Prior action: Preliminary approval of dedication 81-15(R565)

Lake County Forest Preserve District has approved dedication of 446 acres.

REPORT

Meyer

ACTION TO BE CONSIDERED:

Final approval of dedication

* 12) Lake Co.--Wadsworth Prairie

Prior action: Preliminary approval of dedication 81-16(R566)

Lake County Forest Preserve District has approved dedication of 176 acres and dedication of 91 acres of buffer.

REPORT

Meyer

ACTION TO BE CONSIDERED:

Final approval of dedication

* 13) Madison Co.--Bohm Woods

Staff is working with private owner and City of Edwardsville to prevent damage to area from proposed sewer line. The owner has offered about 20 acres of 80-acre natural area for dedication.

REPORT

Paulson

ACTION TO BE CONSIDERED:

To be determined

work done soon

* 14) Will Co.--O'Hara Woods

Staff is working with Village of Romeoville on dedication of 80 acres of woodland owned by the Village.

REPORT

Packard

ACTION TO BE CONSIDERED:

Approval in principle

* 15) Natural Landmark Program

Prior action: 81-11; 82-12(R571); 83-19

Staff has reached agreement with the Department on program and procedures for implementation.

REPORT

Becker & Paulson

ACTION TO BE CONSIDERED:

Approve declaration and agreement, procedures and roles of Commission & Department

by

16) Natural Areas Preservation Bill, S.B. 1124

Prior references: 82-20; 83-23

As of May 21, the bill was on 3rd reading in the Senate.

REPORT

Fell

* 17) Department of Conservation land acquisition, FY83

Staff has been asked to provide information from Landowner Contact Program for the FY83 acquisition list.

REPORT

Becker & Paulson

also distributed to Commission members. Wants engineers placed on Black Soil prairies (abandoned RR) and wetland.

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* 18) Contract for Services of Natural Land Institute, FY82

Prior action: Commission approves entering a contract for provision of staff services to the Commission by the Natural Land Institute in fiscal year 1982 in the same form as the current contract 83-25(R589).

REPORT

Marzuki
DOC brought their version to meeting - Commission Members
Referred to Budget Committee

19) Archaeological preservation

Prior reference: Staff directed to discuss need for and possible means of Commission participation in archaeological preservation with archaeological leaders in State.

REPORT

Fell

* 20) Ogle Co.--Castle Rock Nature Preserve addition

The Department is proposing that 96.6 acres north of the present Castle Rock Nature Preserve be dedicated as an addition to the Nature Preserve and 23.4 acres as buffer.

ACTION TO BE CONSIDERED:

Preliminary approval of dedication

DOC has not reviewed addition yet, should not be on agenda
item withdrawn from agenda

21) Other business

Judith Jay report on Prairie Chicken; Letter from Ron Wesslein

22) Other areas

23) Adjournment

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Supplement to INPC 84th agenda

22) Other areas

Mason Co.--Sand Prairie-Scrub Oak Nature Preserve, road extension
Prior action: 41-20(R226); 55-25; 57-25; 83-9

Bath Township is inquiring of the Department of Conservation whether it would be possible to put the entire road extension on Department property (nature preserve) instead of condemning land from the adjoining owner. At present, use of 25 feet along the east edge of the State land for half the road is authorized.

REPORT

ACTION TO BE CONSIDERED:

Becker

To be determined

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ILLINOIS NATURE PRESERVES COMMISSION
 MINUTES OF EIGHTY-THIRD MEETING
 April 6, 1981

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ILLINOIS NATURE PRESERVES COMMISSION

EIGHTY-THIRD MEETING

(Subject to approval of Commission at 84th meeting)

Giant City State Park Lodge
Makanda, Illinois
9:05 a.m., April 6, 1981

83-1) Call to order and roll call:

The meeting convened at 9:05 a.m. pursuant to the call of Chairman Marzuki.

Members present: Dr. Dale Birkenholz, Byron Hutchins, Judith Joy, Mary Lou Marzuki, Dr. Robert Mohlenbrock, Preston Schellbach, and Jerrold Soesbe.

Member absent: Kenneth Fiske.

Others present: Dr. David Kenney, Director, Department of Conservation, Advisor; Dr. Kenneth Robertson, Illinois Natural History Survey; Dr. Alfred Koelling, Illinois State Museum; and Dr. Willard D. Klimstra, Southern Illinois University, Consultants; George Fell, Executive Secretary; Marlin Bowles, Management & Research Coordinator; Max Hutchison and Judith Faulkner, Field Representatives, Illinois Nature Preserves Commission; Larry Nakrin, Bureau of the Budget; Matt Rice, Attorney, State of Illinois; Allan Mickelson, Division of Forest Resources & Natural Heritage; Carl Becker, Section of Natural Heritage Management & Program Development, Andy West, Natural Heritage Manager, Department of Conservation; Jo Claussen, Endangered Species Protection Board; James Fralish & Alan Woolf, Southern Illinois University; Lew Stannard; Francis & Jean Seyfarth; Rhoda Ashby, Southern Illinois Audubon Society; and Robert Kristoff, Park Ranger, Giant City State Park.

Birkenholz departed after Item 18.

On the afternoon of April 5, there had been a field trip to Pine Hills Ecological Area, led by Mohlenbrock, and that evening there had been an informal discussion at the Lodge by members, advisors, and Department of Conservation representatives concerning the draft Natural Areas Preservation Bill.

83-2) Adoption of agenda:

It was moved by Schellbach, seconded by Hutchins, and carried, that the draft agenda be adopted, subject to change of sequence by the Chairman.

83-3) Approval of 82nd meeting minutes:

It was moved by Joy, seconded by Hutchins, and carried, that the minutes of the 82nd meeting, held on January 19, 1981 be approved as distributed.

83-4) Report of INPC staff, by Fell:

Staff activities: A summary of staff activities for January and February had been distributed to Commission members.

Status of Commission-approved dedications: Articles of dedication for Nelson Lake Marsh, Kane County, and Park Forest South's addition to Thorn Creek Woods Nature Preserve, Will County, have been signed by the Director and the Governor.

Special use permits issued: Three special use permits had been issued since the last meeting: research on Helianthus occidentalis at Sand Prairie-Scrub Oak Nature Preserve, Mason County; study of prairie insects at Sand Prairie-Scrub Oak Nature Preserve, Mason County; and observation and monitoring species of Ambystoma, Middle Fork Woods, Vermillion County.

New travel rates: Effective January 1, 1981, State reimbursement for travel was increased to 19¢ per mile.

Personnel: Jerry Paulson has announced his resignation from the staff of the Commission, effective June 1, 1981.

Appropriation, FY82: The Commission's line item in the Department of Conservation's appropriation bill (H.B. 586) is \$91,200.

Audit of contract with Natural Land Institute: Pursuant to Conservation Director Kenney's directive, an audit was conducted of the Natural Land Institute's financial records by Vince Brackett and Jim Donken, of the Internal Audit Division of the Department of Conservation, on March 24 and 25, 1981.

83-5) Report of DOC staff:

Land acquisition: Becker reported on the current status of land acquisition projects: Chestnut Hills, Pulaski County --negotiations proceeding; Oak Valley, Rock Island County --condemnation underway; Tazewell Prairie, Tazewell County --closing; Hooper Branch Savanna, Iroquois County --negotiations proceeding; but problems occurring with heirs; Stemler Cave Woods, St. Clair County --near completion; Hanover Bluff, Jo Daviess County --getting a second appraisal; Lower Cache River-Little Black Slough-Deer Pond, Johnson County --plan to finish negotiations on trade with WESTVACO by end of April; Matanzas Prairie West, Mason County --negotiations proceeding; Schone Pond, Cass County --have agreed on sale price; Marissa Woods, St. Clair County --purchased; Dean Hills, Fayette County --waiting formal closing; Gooseberry Island, Kankakee County --negotiations proceeding; Hillside Marsh, Coles County --negotiations proceeding, will be partial gift; Knox Prairie, Knox County --being surveyed; Jackson Slough, St. Clair County --one parcel acquired at auction by The Nature Conservancy; one parcel being appraised; Wolf Road Prairie, being appraised; and Gorham Hill Prairie, Rock Island County --on hold.

Publications: Becker displayed a new education kit prepared by the Department and to be distributed to schools by the Department's Education Division.

Dr. Kenney reported on the following:

Little Grassy Fish Hatchery is near completion.

A land transfer from the State Division of Water Resources to the Department is proposed for land surrounding Lake Kincaid. A public meeting is being held on April 6 at the Jackson County Courthouse, Murphysboro. Mohlenbrock guided Kenney on a hike around Lake Kincaid to explain the significant natural areas. The Department has proposed a backpack trail of 85 miles in the scenic land surrounding Lake Kincaid. The State's YCC will help develop the trail. Kenney suggested the Commission schedule a field trip to this area.

83-6) Next meeting arrangements:

It was confirmed that the 84th meeting would be held on Monday, June 1, 1981 at the McHenry County Conservation District headquarters, Ringwood, Illinois, with a field trip proposed for Sunday, May 31.

83-7) Cook County Forest Preserve District proposed dedications:

Fell presented proposals for dedication of three areas owned by the Cook County Forest Preserve District.

Palos Fen(75 acres): Palos Fen is a 48-acre natural area, located in Palos Hills, north of 107th Street, east of 88th Avenue and West of Kean Avenue in southwestern Cook County and contains graminoid fen and marsh representative of the Chicago Lake Plain Section of the Northeastern Morainal Natural Division of Illinois. The fen contains populations of the state endangered small white lady's slipper (Cypripedium candidum) and queen-of-the-prairie (Filipendula rubra). The area adjoins Moraine Valley College, which uses it for classroom study. It is proposed by the staffs of the Forest Preserve District and the Commission that the natural area plus buffer, totalling 75 acres, be dedicated as a nature preserve.

Upon motion by Mohlenbrock, seconded by Soesbe, and carried, the following resolution was adopted:

The Commission gives preliminary approval for dedication as a nature preserve of Palos Fen, located in Section 15, T37N, R12E, Cook County, Illinois, owned by the Cook County Forest Preserve District.

(Resolution 576)

Sagawau Canyon (12 acres): Sagawau Canyon is a high quality dolomite canyon, cliff, and ravine forest community typical of the canyons along the bluffs of the DesPlaines River valley. The area is part of an adult outdoor education camp operated by the Cook County Forest Preserve District and includes an artificial prairie used for teaching purposes. It is located east of Sag Bridge and north of 111th Street (Route 83) in an unincorporated part of southwestern Cook County. It is proposed by the staffs of the Forest Preserve District and the Commission that 12 acres be dedicated as a nature preserve.

Upon motion by Hutchins, seconded by Birkenholz, and carried, the following resolution was adopted:

The Commission gives preliminary approval for dedication as a nature preserve of Sagawau Canyon, located in Sections 13 and 24, T37N, R11E, Cook County, Illinois, owned by the Cook County Forest Preserve District.

(Resolution 577)

Somme Prairie (70 acres): Somme Prairie is a 70-acre prairie and marsh representative of the vegetation once typical of the Morainal Section of the Northeastern Morainal Natural Division of Illinois. The prairie is located in Northbrook, north of Dundee Road, east of Pfingsten Road, and west of the Chicago, Milwaukee, St. Paul & Pacific Railroad along the west fork of the North Branch

of the Chicago River. The prairie is near many educational institutions. It is proposed by the staffs of the Forest Preserve District and the Commission that the entire area be dedicated as a nature preserve.

Upon motion by Mohlenbrock, seconded by Birkenholz, and carried, the following resolution was adopted:

The Commission gives preliminary approval for dedication as a nature preserve of Somme Prairie, located in Section 4, T42N, R12E, Cook County, Illinois, owned by the Cook County Forest Preserve District.

(Resolution 578)

The staff was directed to report at the next meeting concerning the character and quality of portions of the area that do not have prairie vegetation. Birkenholz requested that the area be surveyed for potential habitat for endangered species.

83-8) Momence Wetlands, Kankakee County:

The Attorney General's office has asked that the Corps of Engineers deny permits applied for by the Kankakee River Basin Commission in Indiana for levee repair and clearing and snagging operations. Paulson testified at the public hearings, as part of the State of Illinois delegation, on the impacts of the proposed work on the Momence Wetlands. A copy of Paulson's testimony was distributed with the agenda.

It was moved by Mohlenbrock, seconded by Birkenholz, and carried that the Commission endorses and affirms the statement presented in behalf of the Commission by Gerald Paulson at the Corps of Engineers hearing on February 25, 1981 on applications submitted by the Kankakee River Basin Commission for approval of certain activities affecting the River.

83-9) Sand Prairie-Scrub Oak Nature Preserve, Mason County:

Becker reported that the Bath Township Road Commissioner is reinitiating acquisition of land for the road extension on the north end of the east side of the nature preserve.

Robert Spanski, the adjoining owner to the east, had blocked condemnation of his land on a technicality, and the present action is a reinitiation of condemnation of his land. A 25-foot wide strip along the east edge of the nature preserve will be used for the road as provided in the articles of dedication for the nature preserve. The proposed road would be on the north part of the east perimeter of the nature preserve. The old road cutting diagonally across the preserve would be vacated and allowed to revert to native vegetation.

83-10) Mermet Swamp Nature Preserve, Massac County, management:

West submitted a proposal for access and trail development and exotic plant control at Mermet Swamp Nature Preserve. The master plan for the preserve does not provide for public access for hiking and educational use.

The proposal is intended to be considered as an addendum to the master plan. Plans for construction of a five-car parking area and trailhead, a foot path and maintenance access lane along an existing old roadbed in the nature preserve buffer for the purpose of controlling honeysuckle were presented. Later construction of a boardwalk into a portion of the swamp for interpretive viewing was also proposed.

Following discussion on reasons for needing an access lane wide enough for a vehicle, it was moved by Birkenholz and seconded by Soesbe that the item be tabled, pending further staff discussion.

83-11) Fern Rocks Nature Preserve, Jackson County, tree cutting:

West reported that subsequent to the windstorm on July 2, 1980, he had approved clearing trees from the nature preserve trail that posed a hazard to visitors. The Giant City State Park staff had cut fallen trees and branches that were across the trail. A few logs were moved from the area because there was nowhere to put them but on the road.

A report by Hutchison had been distributed with the agenda. His report confirmed that dead and fallen trees had been removed from the trail and noted two or three 14"-15" diameter oaks that had a section of the tree missing and were not found near where the tree had fallen.

Fell noted that Section 4.02 of the Rules for Management of Nature Preserves provides as follows: "...Dead trees or branches that constitute a safety hazard to persons on trails or in other authorized use areas may be felled but should not be removed from the preserve...."

It was moved by Birkenholz, seconded by Schellbach, and carried that the Commission reconsider the item of tree-cutting at Fern Rocks Nature Preserve later in the meeting after a field trip to the area.

83-12) Spring Hill Farm Fen, McHenry County:

Bowles reported on the situation concerning the area.

Spring Hill Farm Fen is a 146-acre complex of sedge meadow, graminoid fen, low shrub fen, marsh, calcareous seep, calcareous floating mat and dry-mesic gravel prairie representative of the Morainal Section of the Northeastern Morainal Natural Division of Illinois. It is one of the largest and most diverse natural areas of its type identified in the Illinois Natural Areas Inventory and contains ten endangered and threatened plants.

The Crystal Lake Park District and City of Crystal Lake are seeking to acquire Spring Hill Farm Fen and sufficient buffer land to protect the area from proposed gravel mining. Commission staff appeared at hearings concerning Material Service Corp's request to annex the fen into Lake-in-the-Hills and obtain a special use permit to mine the area. The Crystal Lake Park District has proposed acquisition of the fen and has obtained a LAWCON grant for its purchase for dedication as an Illinois Nature Preserve and has asked that the Commission support its acquisition of the fen for a nature preserve.

The staff recommended that acquisition of the natural area and adequate buffer by the Crystal Lake Park District be endorsed and that suitable portions be dedicated as a nature preserve.

Upon motion by Birkenholz, seconded by Soesbe, and carried, the following resolution was adopted:

The Commission supports any efforts to preserve the Spring Hill Farm Fen, McHenry County, and directs the staff to write a letter to the Crystal Lake Park District notifying them of the Commission's support.

(Resolution 579)

It was agreed the letter to the District should include pertinent information about the natural qualities which support the status of the fen as a potential nature preserve.

83-13) Fults Nature Preserve, Monroe County:

West presented a proposal for a prescribed burn to control exotic sweetclover on the Krebel tract at Fults Nature Preserve. He said that effectiveness of controlling sweetclover by a burn late in April has been demonstrated. He proposed a burn for April 22nd. The process must be repeated on alternate years (as the fire also scatters seed of sweetclover forcing it to germinate) until all sweetclover seeds present in the soil have germinated. Herbicide or plastic mulch will be applied in June to plants not killed by fire.

Upon motion by Birkenholz, seconded by Mohlenbrock, and carried, the following resolution was adopted:

The Commission approves a late April burn for prairie on the Krebel tract at Fults Nature Preserve, as presented in the Proposal for Prescribed Burn to Control Exotic Sweetclover and included in agenda item 14 of the 83rd meeting of the Commission.

(Resolution 580)

West presented a plan for parking and trail development at Fults Nature Preserve. The master plan for the preserve included a schematic trail diagrammed on the development map, but there was never any detailed trail plan.

The proposal calls for construction of a 4-car gravel parking area with additional space provided for a bus or extra car on one side. A trail system, with a total approximating 2.6 miles, is proposed in two phases: the first as a 0.5 mile short trail; second, the remaining length. Approximately one mile of existing trails will be abandoned.

West discussed the possibility of incorporating fire breaks as part of the trail, which was not included in the proposal distributed with the agenda.

Upon motion by Mohlenbrock, seconded by Joy, and carried, the following resolution was adopted:

The Commission endorses the proposal for access parking and phase one and two of the trail development as outlined in the Proposal for Access and Trailhead Development for Fults Nature Preserve included in agenda item 14 of the 83rd meeting of the Commission.

(Resolution 581)

Action on the matter of including firebreak as part of the trail plan was deferred.

83-14) Crevecoeur Nature Preserve, Tazewell County:

The Commission had given preliminary approval to dedication of the 28-acre natural area in Fort Crevecoeur Park as a nature preserve at its 81st meeting. The articles of dedication had been drawn up and were presented to the Commission for final approval.

Upon motion by Birkenholz, seconded by Schellbach, and carried, the following resolution was adopted:

The Commission approves dedication of real property, owned by the Village of Creve Coeur, located in Tazewell County, Illinois and described in detail under Item 15 of the duplicated agenda of the 83rd meeting of the Commission, and directs the Chairman to sign said dedication.

(Resolution 582)

83-15) Braidwood Dunes and Savanna, Will County:

The Commission at its 82nd meeting had given preliminary approval to dedication of a 145-acre tract of sand savanna, sedge meadow, sand prairie and marsh, in Will County, owned by the Will County Forest Preserve District. The articles of dedication had been drawn up and the Will County Forest Preserve District had approved dedication of the area with the following provision: "The Forest Preserve District, its assignees or successors, shall have custody and management of the nature preserve herein dedicated, subject to the Rules for Management of Illinois Nature Preserves, as amended, and any approved master plan. Also, the Forest Preserve District of Will County may, upon approval of the Illinois Nature Preserves Commission, use any portion of Lot 21 of the property herein dedicated for construction of public parking and support facilities."

Upon motion by Mohlenbrock, seconded by Soesbe, and carried, the following resolution was adopted:

The Commission approves dedication of real property, owned by the Forest Preserve District of Will County and located in Will County, Illinois and described in detail under Item 16 of the duplicated agenda of the 83rd meeting of the Commission, and directs the Chairman to sign said dedication.

(Resolution 583)

83-16) Archaeological preservation:

Marzuki reported that Dr. Stuart Struever, Director of the Foundation for Illinois Archaeology, Northwestern University, had expressed a desire for the Commission to assist in preservation of archaeological sites in the State. Dr. Struever feels that there is very great need for additional preservation effort for archaeological sites, particularly those in private ownership.

On February 4, 1981, Fell had sent to Commission members a review of the Commission's prior actions relating to archaeological preservation. The statutory definition of nature preserves includes areas which have "...unusual....archaeological features of scientific or educational value....". In the past, the Commission had not established a policy of deliberate action on archaeological preservation since there had been no clear indication of a place for its participation in support of the archaeological preservation efforts in the State.

It was agreed that the staff should discuss with archaeological leaders in the State the need for and possible means of Commission participation in archaeological preservation and should report at the next meeting.

83-17) Endangered Species Protection Board role task force:

Birkenholz and Joy reported on the results of the task force meeting on March 16. The task force examined duties of the Endangered Species Protection Board and enumerated areas of mutual concern of the Board and the Nature Preserves Commission.

It was the consensus of the Commission that Joy and Birkenholz continue to meet with the task force.

83-18) Master plan preparation:

Mickelson and Becker said the Department is setting a goal of producing master plans for its nature preserves within the next year. They requested a determination of the guidelines to be followed.

Fell presented a tabulation of the status of nature preserve master plans and the outline for master plans. The outline was developed in 1964 and revised in 1972 and has been the basis for master planning efforts although there has not been formal approval of the outline by the Commission. He felt some modifications may be in order in the future. He mentioned that master planning should be considered an ongoing process, with revisions and amplifications being made from time to time.

Upon motion by Schellbach, seconded by Soesbe, and carried, the following resolution was adopted:

The Commission approves the Master Plan Outline, as presented, subject to minor modifications or clarifications by the staff.

(Resolution 584)

83-19) Natural Heritage Landmark Program:

As a result of further staff discussions between the Commission and Department staffs, a new draft of a statement on roles of the Department and the Commission in the Natural Heritage Landmark Program had been developed and distributed with the agenda.

It was moved by Mohlenbrock, seconded by Schellbach, and carried, that the Commission approves the "Illinois Natural Heritage Landmark Program Roles of the Nature Preserves Commission and the Department of Conservation" as distributed under Item 20 of the agenda for the 83rd meeting of the Commission.

At the hour of 12:20 p.m. the meeting recessed for lunch. The meeting was reconvened at 2:45 p.m. after a field trip to Fern Rocks Nature Preserve.

83-20) Fern Rocks Nature Preserve, Jackson County:

Pursuant to completion of a field trip to the Fern Rocks Nature Preserve, which supported the findings of Hutchison and West, the following action was taken.

Upon motion by Birkenholz, seconded by Schellbach, and carried, the following resolution was adopted:

Based on Max Hutchison's report of February 12, 1981 on tree cutting at Fern Rocks Nature Preserve, Dr. Robert Mohlenbrock's report of his observations when visiting the preserve on July 4, 1980, and the Commission's observations of the area on April 6, 1981, the Commission has seen no evidence of violation of the Rules for Management of Nature Preserves and directs the staff to write a letter to Conservation Director David Kenney, with copies to Associate Director Charles Tamminga and Site Superintendent of Giant City State Park, Robert Kristoff reiterating the Commission's findings.

(Resolution 585)

83-21) Lower Cache River, Johnson & Pulaski counties:

The Southern Illinois Audubon Society had adopted a resolution asking that the Nature Preserves Commission and the Department of Conservation give the Lower Cache River swamps high priority for acquisition. The Nature Conservancy and others have likewise urged State acquisition.

Faulkner reported that The Nature Conservancy had secured an option on the Kerley tract and the Department had plans to trade land to acquire the WESTVACO tract but that the Showmaker tract was in imminent danger. Logging crews are working there at the present time. The Showmaker tract contains ancient cypress trees, documented to be over 1,000 years old, the oldest known trees east of the Mississippi. The Nature Conservancy has attempted to negotiate with Mr. Showmaker and found that he is unwilling to sell.

The question was raised as to whether the Corps of Engineers and Division of Water Resources had done everything in their power to stop work on the Lower Cache. Faulkner reported that both agencies had issued cease and desist orders to the local drainage district, but the cutting of the trees violated no law. The Department had made no commitment to acquire the Kerley tract from The Nature Conservancy.

Possible means of acquiring the Showmaker tract were discussed, including condemnation together with an injunction to stop tree cutting.

Possible means of funding the purchase were discussed, including seeking the support of legislators to ask the General Assembly for a special appropriation and eliminating the purchase of natural areas from the acquisition list in order to acquire the Showmaker tract this year.

Upon motion by Joy, seconded by Mohlenbrock, and carried, the following resolution was adopted:

The Commission urges the Department of Conservation to acquire the Showmaker tract on the Lower Cache River by whatever means is necessary, including condemnation.

(Resolution 586)

83-22) Mermet Swamp Nature Preserve, Massac County:

The management proposal for Mermet Swamp Nature Preserve (83-10) was brought up for further consideration.

After a conference between the Department and the Commission staff, the following action was taken:

Upon motion by Mohlenbrock, seconded by Birkenholz, and carried, the following resolution was adopted:

The Commission approves the proposed trail, boardwalk, access lane, and exotic vegetation control at Mermet Swamp Nature Preserve, as presented in the Proposal for Access and Trailhead Development for Mermet Swamp Nature Preserve and included in agenda item 12 of the 83rd meeting of the Commission.

(Resolution 587)

83-23) Legislative program:

The Legislative Committee, consisting of Marzuki, Soesbe, Birkenholz and Fell met with Director Kenney and other representatives of the Department, on March 16, 1981 and discussed concerns of the Department relative to the draft Natural Areas Preservation Bill. There had been further discussion of the bill by Commission members and advisors on the evening of April 5. The Department is drafting a revision of the register portion of the bill.

It was agreed that the Commission and the Department will seek a legislator to introduce at least the register portion of the bill after it is revised and agreed to by the Department and the Commission's Legislative Committee and that an effort will be made to re-draft the remainder of the bill in a form agreeable to the Department and the Committee and to include it in the bill or as an amendment.

Fell reported that H.B. 600, introduced by Representative Helen Satterthwaite, at the request of David Monk, will give county boards the authority to acquire and preserve prairies and other natural areas.

Upon motion by Soesbe, seconded by Schellbach, and carried, the following resolution was adopted:

The Commission supports the passage of H.B. 600.

(Resolution 588)

Kenney said the bill to re-classify Department of Conservation lands has been introduced.

83-24) Land and Water Conservation Fund (LAWCON) grant termination:

Marzuki discussed the situation concerning the Federal Land and Water Conservation Fund and presented a draft of a letter to be sent to Rich Carlson of the Governor's staff urging the Governor's assistance in recommending retention of the LAWCON funding program.

The Governor's office is currently reviewing the Federal budget.

There was a consensus that the Chairman should write to Rich Carlson asking that the Governor use his influence to retain the LAWCON funding program in the Federal budget and should ask Conservation Director David Kenney and Institute of Natural Resources Director Frank Beal to join with the Commission in support of retaining LAWCON funding.

83-25) Contract for staff services of Natural Land Institute, FY82:

A copy of the FY81 contract for staff services of Natural Land Institute had been distributed with the agenda. A new contract for FY82 should be considered.

Upon motion by Soesbe, seconded by Mohlenbrock, and carried, the following resolution was adopted:

The Commission approves entering a contract for provision of staff services to the Commission by the Natural Land Institute in fiscal year 1982 in the same form as the current contract.

(Resolution 589)

83-26) Personnel:

At 4:00 p.m. the Commission went into executive session to discuss matters of personnel. Open session resumed at 4:30 p.m.

The Chairman appointed Soesbe, Fiske, Birkenholz, Fell and herself as a committee to meet at 10:00 a.m. on April 22, 1981 in Chicago and discuss the Springfield position.

83-27) Expression of appreciation to John Schwegman:

It was agreed that a letter of appreciation be sent to John Schwegman for his dedicated service to the cause of natural area preservation

in Illinois for the last 12 years. Schwegman is now filling the position of Botanist in the Natural Heritage Management & Program Development Section of the Department.

83-28) Rules for Management of Nature Preserves:

Fell reported that a new draft of revisions of the Rules for Management of Nature Preserves has been completed. It is being reviewed by the Department and should be ready for consideration by the Commission at the next meeting.

83-29) Bois du Sangamon Nature Preserve, Macon County:

Schellbach reported that access to the nature preserve has been acquired by Macon County Conservation District on the abandoned railroad ROW.

83-30) Second Eastern Cave Management Symposium:

West announced that the Second Eastern Cave Management Symposium will be held on September 18 and 19, 1981 at Southern Illinois University, Edwardsville under the sponsorship of the Department of Conservation, Southern Illinois University at Edwardsville, Speleian Research Associates, Inc., and National Speleological Society.

83-31) Use of inmate labor in Lockport Prairie:

Marzuki reported on arrangements to use inmate labor from the honor farm at Statesville on historic sites and nature preserves. Packard will lead a training session to familiarize the workers with the projects. Lockport Prairie is the first area that will receive this work.

83-32) Legislation:

Becker reported that the proposal for a non-game income tax check-off system has again been introduced in the General Assembly as S.B. 298 and H.B. 681, sponsored by Representative Virginia McDonald has passed out of committee.

83-33) Adjournment:

At the hour of 4:50 p.m., the meeting was adjourned.

Jerrold Soesbe
Secretary

ILLINOIS NATURE PRESERVES COMMISSION

INPC 84
Item 4

EIGHTY-FOURTH MEETING

STAFF REPORT

A) Summary of staff activities

March and April

B) Status of Commission-approved dedications

Braidwood Dunes & Savanna, Will County, is awaiting approval of the Director and the Governor.

C) Special use permits granted

Anthony J. Krzysik--observing & marking of reptiles & amphibians, Middlefork Woods, Windfall Prairie, Russell M. Duffin & Horseshoe Bottom Nature Preserves, Vermillion County.

Roderick R. Irwin--continue study of Illinois butterfly distribution and certain families of moths; continue study of Illinois Hesperia ottoe populations, Harlem Hills, Winnebago County; Reavis Hill Prairie and Sand Ridge State Forest, Mason County; Braidwood Prairie, Will County; Goose Lake Prairie, Grundy County; and Iroquois County Conservation Area, Iroquois County.

Woodrow W. Goodpasture--field observations & collecting of mammals, Rockton Nature Preserve, Winnebago County.

Michael J. Klopmeier--collect bryophyte and lichen flora, Fults Hill Prairie-Kidd Lake area, Monroe County.

Terry Harrison, Paul Shefley, Bruce Taubert--observe biology of Illinois chorus frog, Statewide.

Ronald G. Johnson--soil sampling to determine seed species in soil and quantities and depths they occur, Weston Cemetery, McLean County.

Eric H. Smith--collecting of chrysomelid beetles, all nature preserves. Marc Evans--continue floristic study--Ozark Hills, Union County.

Robbin C. Moran--examination, photography, and selected, discrete collection of plant specimens, Statewide.

Dr. Kenneth Robertson--examination, photography, and selected, discrete collection of plant specimens, Statewide.

Linda Gross--collect and identify vegetation and invertebrates, Illinois Beach, Lake County.

Wayne Schennum--observation & photography on oviposition sites of butterflies in fen communities & feeding preferences & behavior of larvae, Pike Marsh, McHenry County.



Kathryn Kerr-continue to observe the phenology, make notes, and collect parts of plants for identification, Prospect Cemetery, Ford County; Weston Cemetery, McLean County.

William G. Ruesink, John Bouseman--surveying the State to prepare faunal studies on various families of Coleoptera, all preserves.

Edward Lisowski, Donald Webb-survey State to prepare faunal studies on various families of Diptera, all preserves.

John Unzicker--survey State to prepare faunal studies on various families of aquatic insects, all preserves.

David Voegtlind--survey State to prepare faunal studies on various families of aphids, all preserves.

George Godfrey--survey State to prepare faunal studies on various families of Lepidoptera, all preserves.

Wallace LaBerge--survey State to prepare faunal studies on various families of bees, all preserves.

Karl Bartel--renewal of bird banding permit, Cap Sauers Nature Preserve, Cook County.

* D) Regulation of public use of Illinois dedicated nature preserves

The Department's revision of the rule on public use of nature preserves became effective April 24, 1981. It was published in the Illinois State Register on May 8, 1981.

* E) Directory of members, advisors, consultants & staff

The Directory has been updated.



Agenda supplement to Staff Report, 84th meeting:

F) Proposed Research Natural Areas on Shawnee National Forest

Commission and Department staff are meeting with the Research staff of the Shawnee National Forest to review the two proposals for establishment of research natural areas. The Commission's proposal is for establishment of six research natural areas: Kaskaskia Experimental Forest (1,130 acres), Ozark Hill Prairie (710 acres), Cave Hill (470 acres), Whoopie Cat Mountain (17 acres), Atwood Ridge (955 acres), and Pine Hills-Otter Pond (2,090 acres). The Department recommended designation of four research natural areas in its report to the Forest Supervisor of the Shawnee National Forest "A Natural Heritage Program for the Shawnee National Forest (Illinois); A report on Protection and Management of National Forest Natural Areas" prepared by K. Andrew West and dated September 1, 1980. The four areas proposed by the Department are Kaskaskia Woods (24 acres), Mountain Township Forests (Cave Hill, Stoneface, and Dennison Hollow - 820 acres), LaRue-Pine Hills (no specific acreage), and Ozark Hill Prairies (419 acres). Whoopie Cat Mountain and Atwood Ridge are recommended as Botanical Areas by the Department. Several other areas have been proposed for research natural area status by scientists from Southern Illinois University and others. The two staffs are to work out an agreement on the research natural areas recommendations to give a united effort in dealing with the U.S. Forest Service.

G) Carpenter-Gurgens Nature Preserve, Sangamon County

The staffs of the Commission and Department are working with the Springfield Park District and the developer of the Rail Golf Course to assure the protection of the nature preserve. The golf course adjoins the nature preserve on the north and is being converted to single and multi-family housing. The developer has tentatively agreed to make changes in the development plan to minimize the impacts on the nature preserve.

H) Spring Hill Farm Fen, McHenry County

The proposed annexation of the fen property into the Village of Lake-in-the-Hills has been delayed due to the election of new trustees. The Village of Crystal Lake is proceeding with its condemnation of the property.

I) Romeoville Prairie, Will County

An illegally dug ditch through Romeoville Prairie has been filled back in and the prairie restored under threat of legal action by the U.S. Corps of Engineers. The ditch was dug to carry effluent from the Romeoville

sewage treatment plant to the Des Plaines River and to facilitate drainage and development of the area. None of the required permits were obtained by the Village or the contractor. Staff of the Commission, Department, Corps of Engineers, Environmental Protection Agency, and Department of Transportation met with the Village and the contractor and convinced them to restore the ditch. The owner of the prairie is now seeking a buyer for the land.

J) Natural Heritage Public Service Announcement

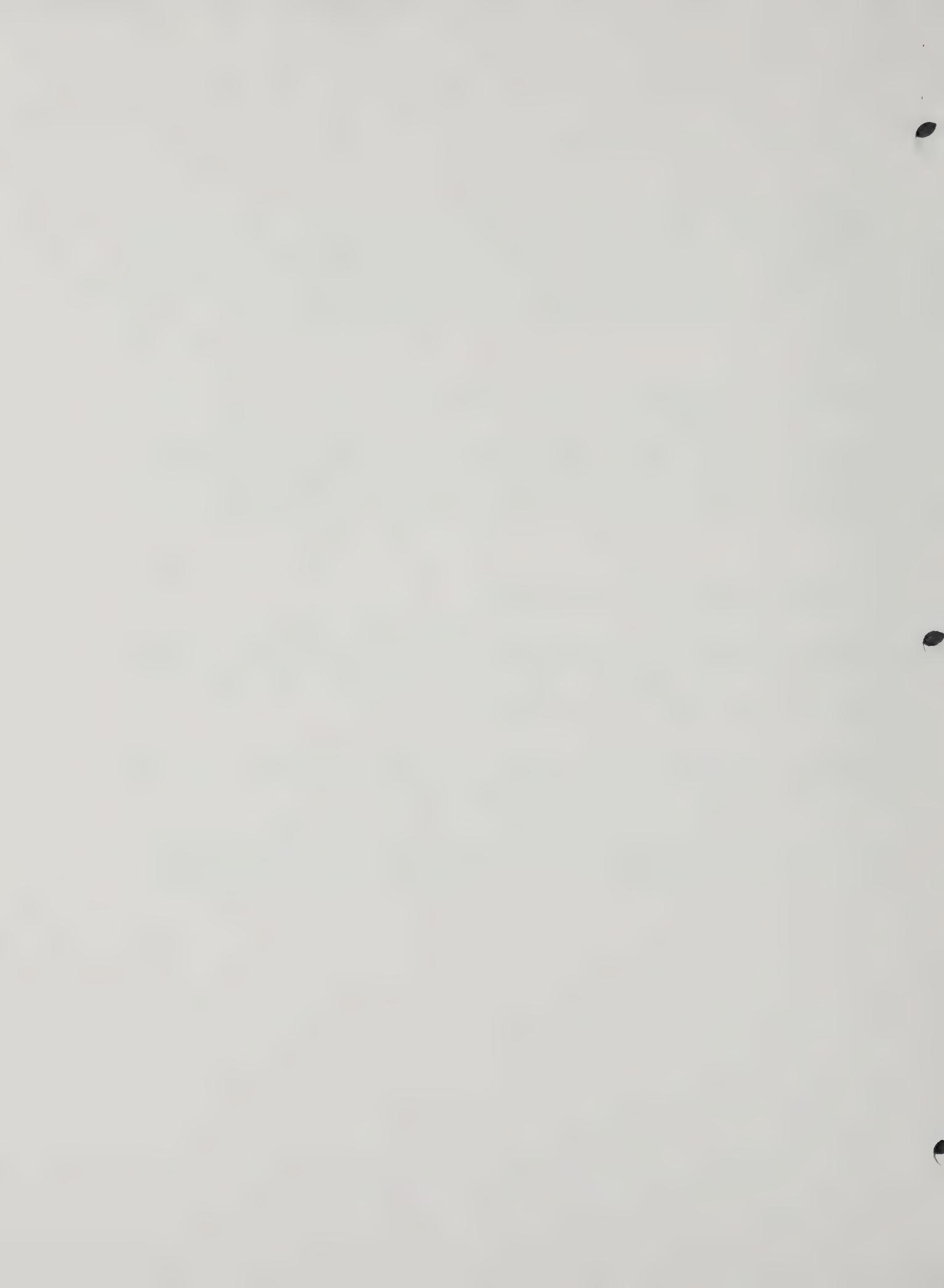
Commission staff are working with an advertising editor and writers to produce a Public Service Announcement on the Illinois Natural Heritage Program. The work is being done for free, and Steve Packard is providing the direction and information for the project. Once completed the Public Service Announcement will be made available to TV stations throughout the State.

K) Status of Endangered Species Report

The report is to be published by the Fish and Wildlife Service through a grant to the Department of Conservation. Publication is scheduled for this fall. The Natural Land Institute is providing final editing under a contract with the Department of Conservation. Natural Land Institute has subcontracted a team of scientific editors.

All major scientific and copy editing is completed for the birds, mammals and plant manuscripts. Copy editing remains to be done on the fishes, herps and the major introduction is being edited.

The Department has obtained permission from the Southern Illinois University press to use drawings from Mohlenbrock's "Illustrated Flora". These will supplement drawings made for the project by Morton Arboretum classes.



DEPARTMENT OF CONSERVATION

TEXT OF ADOPTED RULE

INPC 84
Item 4-D)

ARTICLE 64 - REGULATION OF PUBLIC USE OF ILLINOIS DEDICATED NATURE PRESERVES

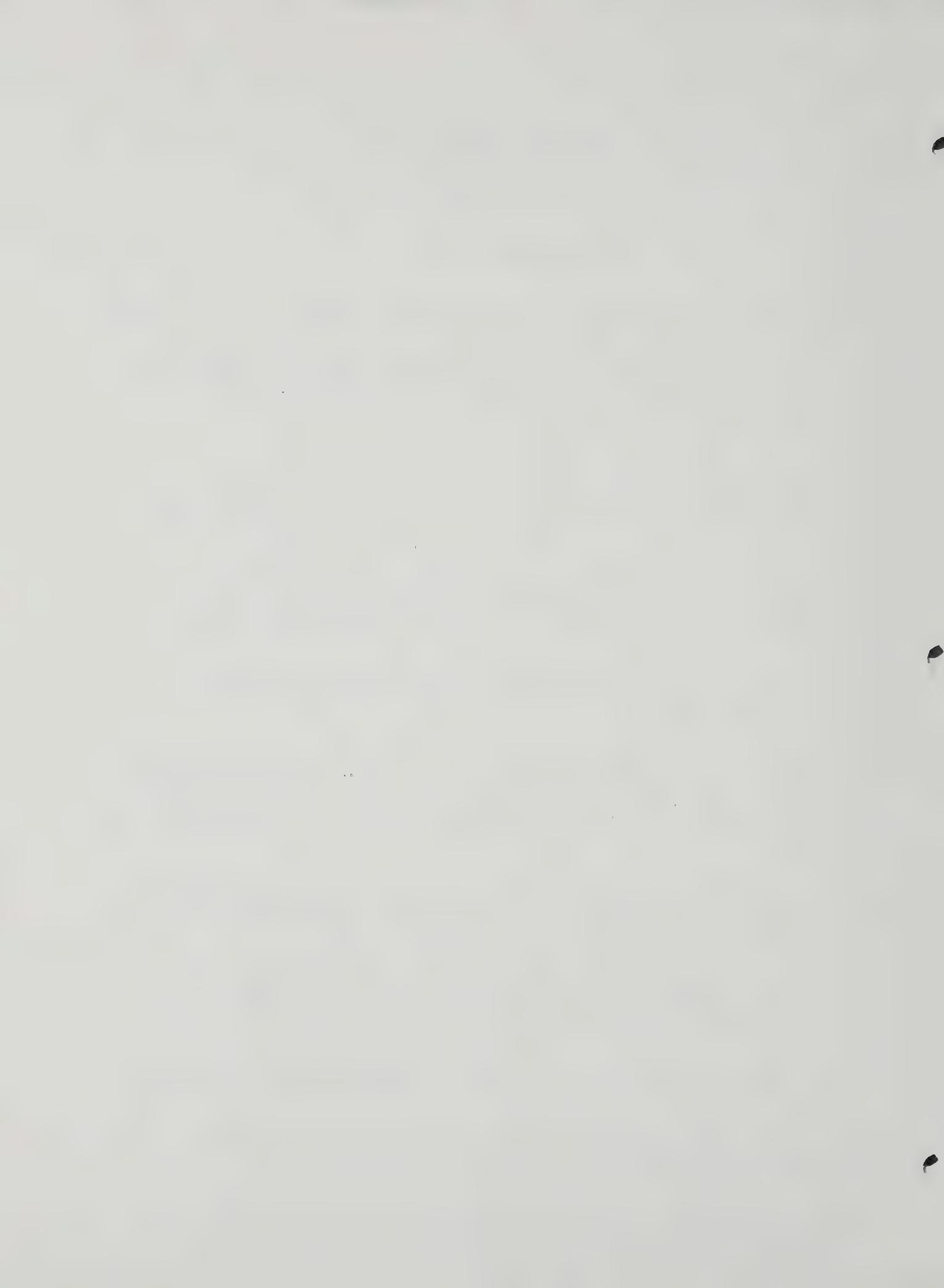
STATUTORY AUTHORITY: STATE PARKS AND NATURE PRESERVES ACT, SECTIONS 2A, 2B, 4 AND 6 (ILL. REV. STAT., CHAPTER 105, SECTIONS 466A, 466B, 468 AND 468B), THE SNOWMOBILE REGISTRATION AND SAFETY ACT, SECTION 5-1 (ILL. REV. STAT., CHAPTER 95 $\frac{1}{2}$, SECTION 605-1), CONSERVATION DISTRICT ACT, SECTION 11, (ILL. REV. STAT., CHAPTER 96 $\frac{1}{2}$, SECTION 7111).

IT IS UNLAWFUL:

1. For any person to enter any dedicated nature preserve or portion thereof if such area has been closed to visitors by notice posted by the Department of Conservation or a duly authorized agent thereof.
2. For any person to possess or consume or be under the influence of intoxicating beverages, including beer, or dangerous or narcotic drugs in any dedicated nature preserve.
3. For any person to camp or place a tent or trailer or any type of camping device in a dedicated nature preserve.
4. For any person to cut, break, injure, destroy, take or remove any tree, shrub, timber, flower, plant, or other natural object including rocks, soil, or water from a dedicated nature preserve; except that small quantities of such materials may be collected and removed for scientific or educational purposes by written permit from the owner, the Department of Conservation and the Illinois Nature Preserves Commission, and except for management under direct supervision of a designated agent.
5. For any person to kill, cause to be killed, harass, pursue or take any animal, whether mammal, bird, fish, reptile, amphibian, or invertebrate or its nest or habitat in a dedicated nature preserve; except that small quantities of such materials may be collected and removed for scientific or educational purposes by written permit from the owner, the Department of Conservation and the Illinois Nature Preserves Commission, and except for management purposes under the direct supervision of a designated agent with the approval of the Illinois Nature Preserves Commission and the Department of Conservation.
6. For any person to conduct scientific research in a dedicated nature preserve without a written permit from the owner, the Department of Conservation and the Illinois Nature Preserves Commission.

TEXT OF ADOPTED RULE

7. For any person to possess a firearm, airgun, slingshot, bow and arrow, or any other weapon within the boundaries of any dedicated nature preserve, except authorized peace officers and as authorized for management and control measures for wildlife population control under the supervision of a designated agent with the approval of the Illinois Nature Preserves Commission and the Department of Conservation.
8. For any person to take, mutilate, deface, move, or destroy any structure, improvement, work, or sign, or any stone, soil, or other natural object or material in any dedicated nature preserve, except for management under the direct supervision of a designated agent.
9. For any person to operate a motor vehicle in any dedicated nature preserve other than on designated roadways or parking areas or to park a motor vehicle except in designated parking areas, except for maintenance and management vehicles operated by designated agents.
10. For any person to operate a motor vehicle in a wreckless manner, or to exceed posted speed limits on roadways within any dedicated nature preserve.
11. For any person to build or light any fire or willfully or carelessly permit any fire which has ignited or been caused to ignite or which is under his charge and care to spread or extend to or burn any part of a dedicated nature preserve, except for prescribed burning for vegetation management under the direct supervision of a designated agent.
12. For any person to discard rubbish of any kind in any dedicated nature preserve except in designate containers provided by the Department of Conservation or a duly authorized agent thereof.
13. For any person to bring or allow to enter into a dedicated nature preserve any dog, cat, horse, or other animal or pet, except that horses may be brought into areas where bridle trails are designated and posted.
14. For any person to engage in disorderly conduct within any dedicated nature preserve.
15. For any person to engage in any sporting or athletic activity, including swimming, within the boundaries of any dedicated nature preserve.
16. For admittance to be granted to groups of 25 or more persons to any nature preserve unless written permission from the Department of Conservation or other owner has been secured in advance. Groups of



DEPARTMENT OF CONSERVATION

TEXT OF ADOPTED RULE

25 or more will be granted permission to visit preserves if the groups do not exceed the capacity of the facility. The Site Superintendent of the affected facility shall grant permits, in advance, to groups wanting to use the facility.

17. For any group of minors to enter the dedicated nature preserve without adequate supervision. At least one responsible adult shall accompany each group of not more than 15 minors.
18. For any person to plant or disperse any native or non-native plant species or their parts into any dedicated Illinois Nature Preserve without the written approval of the Illinois Department of Conservation and the Illinois Nature Preserves Commission.
19. For any person to release or disperse any native or non-native animal species into any dedicated Illinois Nature Preserve without the written approval of the Illinois Department of Conservation and the Illinois Nature Preserves Commission.

Criteria that will be used to evaluate requests under parts 18 and 19 include:

- a. Is there evidence that the species formerly occurred on the preserve or that the habitat was suitable and was probably occupied by the species.
- b. Are the habitat and other ecological conditions presently suitable and adequate to support the species.
- c. What is the source of origin and genotype of the proposed introductions and is it the same as that originally occurring on the preserve.
- d. Will the reintroduction threaten the population for which it is being taken.
- e. Will the reintroduction threaten any species or communities presently considered desirable on the preserve.



5150
5/8/81

ILLINOIS REGISTER

DEPARTMENT OF CONSERVATION

NOTICE OF ADOPTED RULE

AGENCY: Department of Conservation

TITLE OF RULE AND ACTION TAKEN BY AGENCY: Article 64 - Regulation of Public Use of Illinois Dedicated Nature Preserves.

STATUTORY AUTHORITY: State Parks and Nature Preserves Act, Sections 2a, 2b, 4 and 6, (Ill. Rev. Stat., Chapter 105, Sections 466a, 466b, 468 and 468b), The Snowmobile Registration and Safety Act, Section 5-1, (Ill. Rev. Stat., Chapter 95½, Section 605-1), Conservation District Act, Section 11, (Ill. Rev. Stat., Chapter 96½, Section 7111).

EFFECTIVE DATE OF RULE: April 24, 1981

DATE FILED IN AGENCY'S PRINCIPAL OFFICE: April 20, 1981

DATE NOTICE OF PROPOSAL PUBLISHED IN REGISTER: December 28, 1979

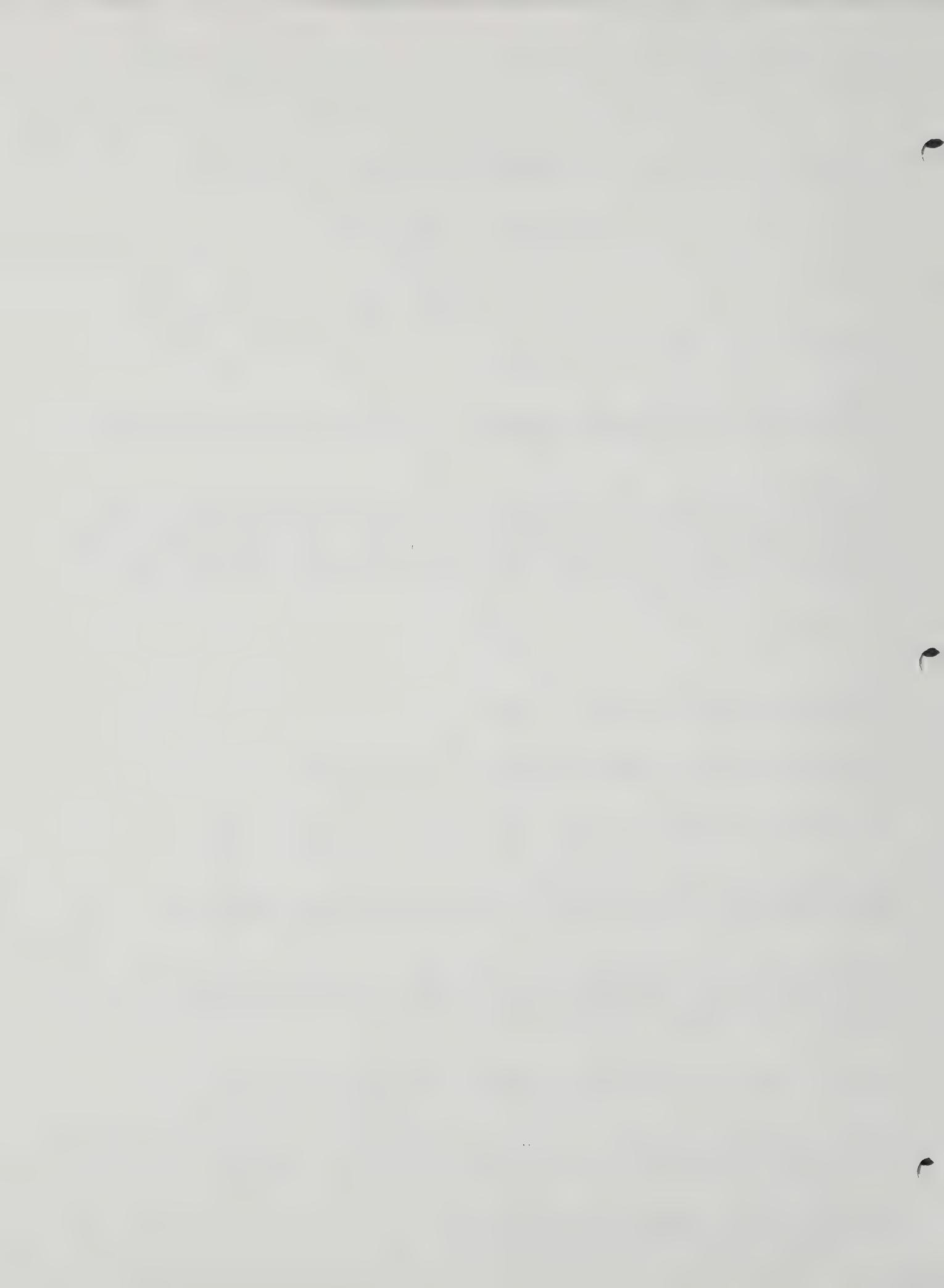
HAS THE JOINT COMMITTEE ON ADMINISTRATIVE RULES ISSUED A STATEMENT OF OBJECTIONS TO THIS RULE? No.

DIFFERENCE BETWEEN PROPOSAL AND FINAL VERSION: Inclusion of criteria for granting permission for group visits and the introduction of plants and animals into nature preserves. Also minor changes in language.

WILL THIS RULEMAKING REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No.

SUMMARY AND PURPOSE OF RULE: To update the regulations pertaining to the public use of Illinois Dedicated Nature Preserves.

THE FULL TEXT OF ADOPTED RULE IS AS FOLLOWS:



ADDENDUM
 ILLINOIS NATURAL AREAS INVENTORY
 CATEGORY I NATURAL AREAS
 SUMMARY DATA
 Nos. 1034 - 1089
 (excluding railroad prairies)

		<u>Grade</u>	<u>Acreage</u>	<u>Status</u>
1- <u>WISCONSIN DRIFLESS DIVISION</u>				
<u>Dry prairie:</u>				
#1056 Thompson Prairie, Jo Daviess Co.	C	10		Pv
2b- <u>ROCK RIVER HILL COUNTRY DIVISION/OREGON SECTION</u>				
<u>Seep:</u>				
#1052 Castle Rock N. P., Ogle Co.	A	638		P/Pc
3a- <u>NORTHEASTERN MORAINAL DIVISION/MORAINAL SECTION</u>				
<u>Dry-mesic prairie:</u>				
#1080 Vermont Cemetery Prairie, Will Co.	A	1		Uk
<u>Seep:</u>				
#1039 Long Run Seep, Will Co.	B	42		Pv
<u>Eroding bluff community:</u>				
#1078 Fort Sheridan Bluff, Lake Co.	A	25		Pc
3b- <u>NORTHEASTERN MORAINAL DIVISION/LAKE MICHIGAN DUNES SECTION</u>				
<u>Sand prairie (dry, dry-mesic, mesic, wet-mesic, wet)</u>				
<u>Dry sand savanna</u>				
<u>Wetlands (pond, panne, sedge meadow, marsh, seep)</u>				
<u>Foredune & beach:</u>				
#1083 Illinois Beach N. P., Lake Co.	A&B	2,121		P/Pc
<u>Prairie (mesic, wet)</u>				
<u>Sand prairie (dry-mesic, mesic, wet-mesic, wet)</u>				
<u>Dry-mesic sand savanna</u>				
<u>Wetlands (lake, panne, sedge meadow, marsh, graminoid fen)</u>				
<u>Foredune, beach:</u>				
#1066 Illinois Dunes North, Lake Co.	A&B	1,251		Pc
3c- <u>NORTHEASTERN MORAINAL DIVISION/CHICAGO LAKE PLAIN SECTION</u>				
<u>Sand prairie (dry-mesic, wet)</u>				
<u>Dry-mesic sand savanna</u>				
<u>Marsh:</u>				
#1071 Powderhorn Lake & Prairie, Cook Co.	B	222		Pv/Pc

	Grade	Acreage	Status
<u>4a- GRAND PRAIRIE DIVISION/GRAND PRAIRIE SECTION</u>			
<u>Upland forest (dry-mesic, mesic)</u>			
<u>Floodplain forest (wet-mesic, wet):</u>			
#1043 Robert Allerton Park, Piatt Co.	A&B	1,515	Pc
<u>Upland forest (dry-mesic, mesic, dry):</u>			
#1077 Starved Rock State Park, LaSalle Co.	A&B	1,485	P/Pc
<u>Mesic prairie:</u>			
#1037 Pine Ridge Cemetery Prairie, Iroquois Co.	A	5	Pv
<u>Prairie (dry-mesic, wet-mesic, wet)</u>			
<u>Pond:</u>			
#1067 Goose Lake Prairie Nature Preserve, Grundy Co.	C	1,710	P/Pc
<u>Sandstone cliff community:</u>			
#1077 Starved Rock State Park, LaSalle Co.	A&B	1,485	P/Pc
<u>4e- GRAND PRAIRIE DIVISION/KANKAKEE SAND AREA SECTION</u>			
<u>Prairie (mesic, wet-mesic, wet)</u>			
<u>Mesic sand prairie:</u>			
#1047 Hitts Siding Prairie, Will Co.	B	57	Pv
<u>6b- ILL. R. & MISS. R. SAND AREAS DIV./MISSISSIPPI RIVER SECTION</u>			
<u>Sand hill prairie:</u>			
#1058 Hanover Bluff, Jo Daviess Co.	A&B	153	Pv
<u>10a- WABASH BORDER DIVISION/BOTTOMLANDS SECTION</u>			
<u>Seep:</u>			
#1048 Mt. Erie Springs, Wayne Co.	B	5	Uk
<u>10c- WABASH BORDER DIVISION/VERMILION RIVER SECTION</u>			
<u>Dry-mesic savanna:</u>			
#1073 Fairchild Cemetery Savanna, Vermilion Co.	B	1.5	Pc
<u>11a- OZARK DIVISION/NORTHERN SECTION</u>			
<u>Loess hill prairie:</u>			
<u>Limestone glade:</u>			
#1045 Fults Hill Prairie--Kidd Lake, Monroe Co.	A&B	1,405	P/Pv/Pc
<u>11c- OZARK DIVISION/SOUTHERN SECTION</u>			
<u>Dry upland forest:</u>			
#1046 Atwood Ridge, Union Co.	B	1,016	Pv/Pc
<u>Limestone glade;</u>			
<u>Spring community, aquatic cave community:</u>			
#1079 LaRue--Pine Hills Ecological Area, Union Co.	A&B	4,077	Pv/Pc

		<u>Grade</u>	<u>Acreage</u>	<u>Status</u>
12b-	<u>LOWER MISS. R. BOTTOMLANDS DIVISION/SOUTHERN SECTION</u>			
	<u>Shrub swamp, pond:</u>			
#1079	LaRue--Pine Hills Ecological Area, Union Co.	A&B	4,077	Pv/Pc
13a-	<u>SHAWNEE HILLS DIVISION/GREATER SHAWNEE HILLS SECTION</u>			
	<u>Sandstone glade:</u>			
#1036	Horse Cave Area, Johnson Co.	A	33	Pv/Pc
13b-	<u>SHAWNEE HILLS DIVISION/LESSER SHAWNEE HILLS SECTION</u>			
	<u>Limestone glade:</u>			
#1059	Little Black Slough--Heron Pond Area, Johnson Co.	A&B	6,722	P
14b-	<u>COASTAL PLAIN DIVISION/BOTTOMLANDS SECTION</u>			
	<u>Upland forest (dry-mesic, mesic)</u>			
	<u>Floodplain forest (mesic, wet-mesic, wet)</u>			
	<u>Swamp, pond:</u>			
#1059	Little Black Slough--Heron Pond Area, Johnson Co.	A&B	6,722	P/Pv/Pc

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT between the State of Illinois, Department of Conservation, the Nature Preserves Commission and _____ (Contractor) provides the following:

I. SERVICES/DELIVERABLES: Contractor agrees to perform the following professional services and provide the stated deliverables.

A. To serve as Executive Secretary for the Illinois Nature Preserve Commission and to perform such duties and possess such professional skills as stated in Exhibit A. which is attached and hereby incorporated by reference as a part of this agreement.

II. SUPPORT: Support in any form, including, but not limited to, equipment, supplies and services, as set forth below.

A. Secretarial services, utilities, office equipment and supplies and office space for the Executive Secretary shall be provided as designated by the Department of Conservation. The Department of Conservation shall not be responsible for providing any vehicle(s) to the Contractor.

III. COMPENSATION: The Department of Conservation will pay to Contractor, who will accept as full payment for all services, the amounts specified below. All bills shall include current and cumulative, detailed information as to days and hours worked and tasks performed. Failure to submit final bill promptly may result in delay in payment. Governor's Travel Control Board Regulations must be followed in travel and for charging expenses. State reserves the right to audit Contractor records relating to this contract.

Compensation shall not exceed _____ dollars for period covered by this contract.

Travel expenses for Contractor shall not exceed \$2,500 dollars for the period covered by this contract.

Compensation shall be in the form of monthly payments having satisfied the requirements as stated above.

IV. TERM: The term of this agreement shall be for the period commencing

July 1, 1981, or date of final execution, whichever is later, and shall terminate June 30, 1982.

V. CONVENIENCE TERMINATION: Nature Preserve Commission may terminate this contract upon 30 days written notice. Contractor shall be entitled to payment at the stated rate, if available, for work performed to the Nature Preserve Commission's satisfaction.

VI. NON APPROPRIATION OF FUNDS: This contract will cease immediately and without further liability, if funds are not appropriated or otherwise made available. In this event Contractor will be paid for work satisfactorily performed during the period for which funds are available.

VII. BREACH: Should Contractor fail to perform as required, Department of Conservation and/or Nature Preserve Commission may elect to terminate this contract. Payments may be made for work completed that can be utilized by the Nature Preserve Commission. Nature Preserve Commission may, at its election, choose to require different terms upon Contractor's breach. All other legal and equitable remedies remain in effect.

VIII. WARRANTY: All work and service is to be performed in a good and professional manner.

IX. SCHEDULE OF WORK: All work performed on State premises shall be done during the hours designated by the Department of Conservation and Nature Preserve Commission.

X. COMPLIANCE WITH LAWS: Contractor shall comply with and be responsible for workman's compensation, employer's liability and other federal, state, county and municipal laws, ordinances, rules and regulations.

XI. RELEASE AND INDEMNITY: Contractor agrees to assume all risk of loss and to indemnify and hold the Department of Conservation, its officers, agents and employees, harmless from and against any and all liabilities, demands, claims, damages, suits, costs, fees, and expenses incident thereto, for injuries or death to persons and for loss of, damage to, or destruction of property because of Contractor's negligence or intentional acts or omissions. In the event of any demand or claim, Department of Conservation will notify Contractor. Department of Conservation may elect to defend any claim against the Department of Conservation and bill the Contractor.

XII. INSURANCE: For the contract period, Contractor shall maintain insurance with an acceptable carrier, insuring Contractor while performing on State premises for the following types of liability and in the stated amounts.

Liability	\$100,000 per person
Workman's Compensation	\$300,000 per occurrence
	Full Statutory Limits

XIII. ASSIGNMENT: This agreement shall not be assigned without prior written consent by the Department of Conservation and Nature Preserve Commission.

XIV. STATUS: Contractor shall be an independent contractor. Contractor shall maintain sufficient supervision and control of its operations to ensure that all aspects of this contract are properly performed. Contractor or spouse shall not have any financial interest in any contract or agreement with Department of Conservation, Nature Preserve Commission, its members staff, agents or employees or other entities having a contractual relationship with Nature Preserve Commission or Department of Conservation. Contractor shall not participate in the making of any contract, or enter into, administer, oversee or monitor of any contract, with the knowledge that his spouse, child, parent, brother or sister is entitled to receive more than 7½% of the total distributable income, or in which that child, parent, brother or sister, together with his spouse or minor children, is entitled to receive more than 15% in the aggregate of the total distributable income of the contract.

XV. MODIFICATION: No modification of this contract may be made unless agreed to in writing by all parties.

XVI. PROJECT REPORTS: Contractor shall submit to the Department of Conservation and Nature Preserve Commission upon request of either parties reports detailing the status of the contract.

XVII. OWNERSHIP OF DOCUMENTS: All reports, including the final comprehensive report, shall be the property of the Nature Preserve Commission and Department of Conservation.

XVIII. MISCELLANEOUS: Contractor shall perform at least 90 percent of all tasks outlined in this agreement at Springfield, Illinois.

XIX. ILLINOIS LAW: This contract shall be interpreted in accordance with Illinois laws.

XX. NOTICES: Notices to the parties shall be mailed to addresses designated on the signature page below.

XXI. "The undersigned certifies that _____ has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor has the contractor made an admission of guilt of such conduct which is a matter of record."

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed by their duly authorized representatives.

STATE OF ILLINOIS
DEPARTMENT OF CONSERVATION
605 STRATTON BUILDING
SPRINGFIELD, ILLINOIS 62706

By: _____

Date: _____

ILLINOIS NATURE PRESERVE COMMISSION
158 MONEE ROAD
PARK FOREST, ILLINOIS 60466

By: _____

Date: _____

Contractor: (Name, Address and Telephone)

Contractors:

F.E.I.N. or S.S. _____

By: _____

F.E.P.C. _____

Date: _____

ILLINOIS NATURE PRESERVES COMMISSION

EXECUTIVE SECRETARY

DISTINGUISHING FEATURES OF WORK:

Reports directly to the Chairman, Illinois Nature Preserves Commission; is the spokesman for the Commission; maintains a direct line of communications with all Commission members; handles usual and customary administrative duties including making meeting arrangements and handles correspondence; oversees and monitors compliance of all contracts and agreements to which the Nature Preserve Commission and Department of Conservation jointly execute; promotes the activities of the Commission including making public appearances and writing publicity releases; maintains records, serving as a clearinghouse for the distribution of correspondence and records and reports; coordinates the inspection and reviews management of Nature Preserves; participates in or reviews the preparation of master plans of Nature Preserves; provides liaison with appropriate State of Illinois departments, commissions, and private agencies in regard to Nature Preserve Commission affairs; prepares and coordinates grant applications; serves as legislative liaison in regards to the statutory powers of the Nature Preserve Commission.

REQUIREMENTS:

Education

Requires knowledge, skill, and mental development equivalent to completion of four years of college with course work in conservation, field biology, or closely related area including substantial training in ecology. Advanced degree preferred.

General

Familiarity and sympathy with the concepts, principles, and techniques of natural area preservation.

Requires strong communication skills.

Requires ability to work effectively within a governmental environment.

Requires ability to plan, organize, and implement work.

Requires broad knowledge of ecology, taxonomy, geology, conservation, resource management, planning, and public administration.

Experience

Requires three years professional experience in conservation, resource management, or closely related areas.

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT between the State of Illinois, Department of Conservation (DOC), the Illinois Nature Preserves Commission (NPC), and

(Contractor)

provides the following:

I. SERVICES/DELIVERABLES: Contractor agrees to perform the following professional services and provide the stated deliverables. Contractor shall perform those professional services stated in Exhibit A which is hereby incorporated by reference into the terms of this agreement.

II. SUPPORT: Support in any form, including, but not limited to, equipment, supplies and services, that is to be provided by the State must be specifically set forth in the applicable bid documents or below.

None

III. COMPENSATION: The State will pay to Contractor, who will accept as full payment for all services, the amounts specified below. Contractor shall submit a bill monthly to the Executive Secretary of the NPC. Failure to submit final bill promptly may result in delay in payment. Governor's Travel Control Board Regulations must be followed in travel and for charging expenses. State reserves the right to audit Contractor records relating to this contract.

Compensation shall not exceed _____ dollars.

Expenses shall not exceed _____ dollars.

Breakdown of compensation, if applicable, is as follows:

IV. TERM: The term of this agreement shall be for the period commencing _____, 19____, or date of final execution, whichever is later, and shall terminate _____, 19____/

V. CONVENIENCE TERMINATION: NPC may terminate this contract upon _____ days written notice. Contractor shall be entitled to payment at the stated rate, if available, for work performed to the State's satisfaction.

VI. NON-APPROPRIATION OF FUNDS: This contract will cease immediately and without further liability, if funds are not appropriated or otherwise made available. In this event Contractor will be paid for work satisfactorily performed during the period for which funds were available.

VII. BREACH: Should Contractor fail to perform as required, DOC or NPC may elect to terminate this contract. Payments may be made for work completed that can be utilized by the State. The Executive Secretary of the NPC, at his election, may choose to require different terms upon Contractor's breach. All other legal and equitable remedies remain in effect.

VIII. WARRANTY: All Work is to be performed in a good and professional manner.

IX. SCHEDULE OF WORK: All work performed shall be done during the hours designated by the Executive Secretary of NPC and shall be performed so as to minimize inconvenience to the DOC and NPC.

X. COMPLIANCE WITH LAWS: Contractor shall comply with all applicable workman's compensation, employer's liability and other federal, state, county and municipal laws, ordinances, rules and regulations.

XI. RELEASE AND INDEMNITY: Contractor agrees to assume all risk of loss and to indemnify and hold the DOC and NPC, their officers, agents and employees, harmless from and against any and all liabilities, demands, claims, damages, suits, costs, fees, and expenses incident thereto, for injuries or death to persons and for loss of, damage to, or destruction of property because of Contractor's negligence or intentional acts or omissions. In the event of any demand or claim, DOC or NPC will notify Contractor. DOC or NPC may elect to defend any claim against them and bill the Contractor.

XII. INSURANCE: For the contract period, Contractor shall maintain insurance with an acceptable carrier, insuring Contractor while performing on State premises for the following types of liability and in the stated amounts.

Liability	\$100,000 per person \$300,000 per occurrence
Workman's Compensation	Full Statutory Limits

XIII. ASSIGNMENT: This agreement shall not be assigned without prior written consent by the Executive Secretary of the NPC.

XIV. DELAY: If in the opinion of the Executive Secretary, performance is delayed by a cause beyond the control of Contractor, then the times for performance shall be extended for a period equivalent to the delay experienced by the Contractor. Extension may be granted, after notice and explanation in writing, if the Executive Secretary is satisfied the delay was unavoidable and could not have been reasonably anticipated.

XV. STATUS: Contractor shall be an independent contractor. Contractor shall maintain sufficient supervision and control of its operation to ensure that all aspects of this contract are properly performed. At no time shall Contractor or its agents or employees hold themselves out as State employees or NPC employees. Contractor shall not have any letterheads, signs or documentary evidence of serving as an agent of the DOC or NPC. Contractor shall, at all times, represent itself to outside parties as designated below. If Contractor is found to have represented itself as an agent or employee of DOC or NPC, then the payment to be made to Contractor representing payment for the preceding two week period prior to the breach by Contractor shall be forfeited by Contractor as liquidated damages, and not as a penalty. Contractor acknowledges that the damages suffered by DOC or NPC as a result of Contractor holding itself out as an agent or employee of DOC or NPC is difficult to measure, and that the forfeiture of the amount equivalent to payment for a two week period is a reasonable approximation of the damages suffered by DOC or NPC as a result of said breach.

XVI. MODIFICATION: No modification of this contract may be made unless agreed to in writing by DOC, NPC and Contractor.

XVII. PROJECT REPORTS: Contractor shall submit to the DOC and NPC upon request reports detailing the status of the contract.

XVIII. OWNERSHIP OF DOCUMENTS: All reports, including any final comprehensive report, shall be the property of the DOC and NPC.

XIX. MISCELLANEOUS:

XX. ILLINOIS LAW: This contract shall be interpreted in accordance with Illinois laws.

XXI. NOTICES: Notices to the parties shall be mailed to addresses designated on the signature page below.

XXII. TERMINATION OR PRIOR AGREEMENTS: This agreement cancels and terminates, as of its effective date, all prior agreements between the parties hereto covering the services covered hereby, whether written or oral or partly written and partly oral.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed by their duly authorized representatives.

STATE OF ILLINOIS
ILLINOIS NATURE PRESERVE
COMMISSION

BY _____

STATE OF ILLINOIS
DEPARTMENT OF CONSERVATION
619 STRATTON BUILDING
SPRINGFIELD, IL 62706

By _____

Date _____

CONTRACTOR (Name, Address, and
Telephone)

By _____

Date _____

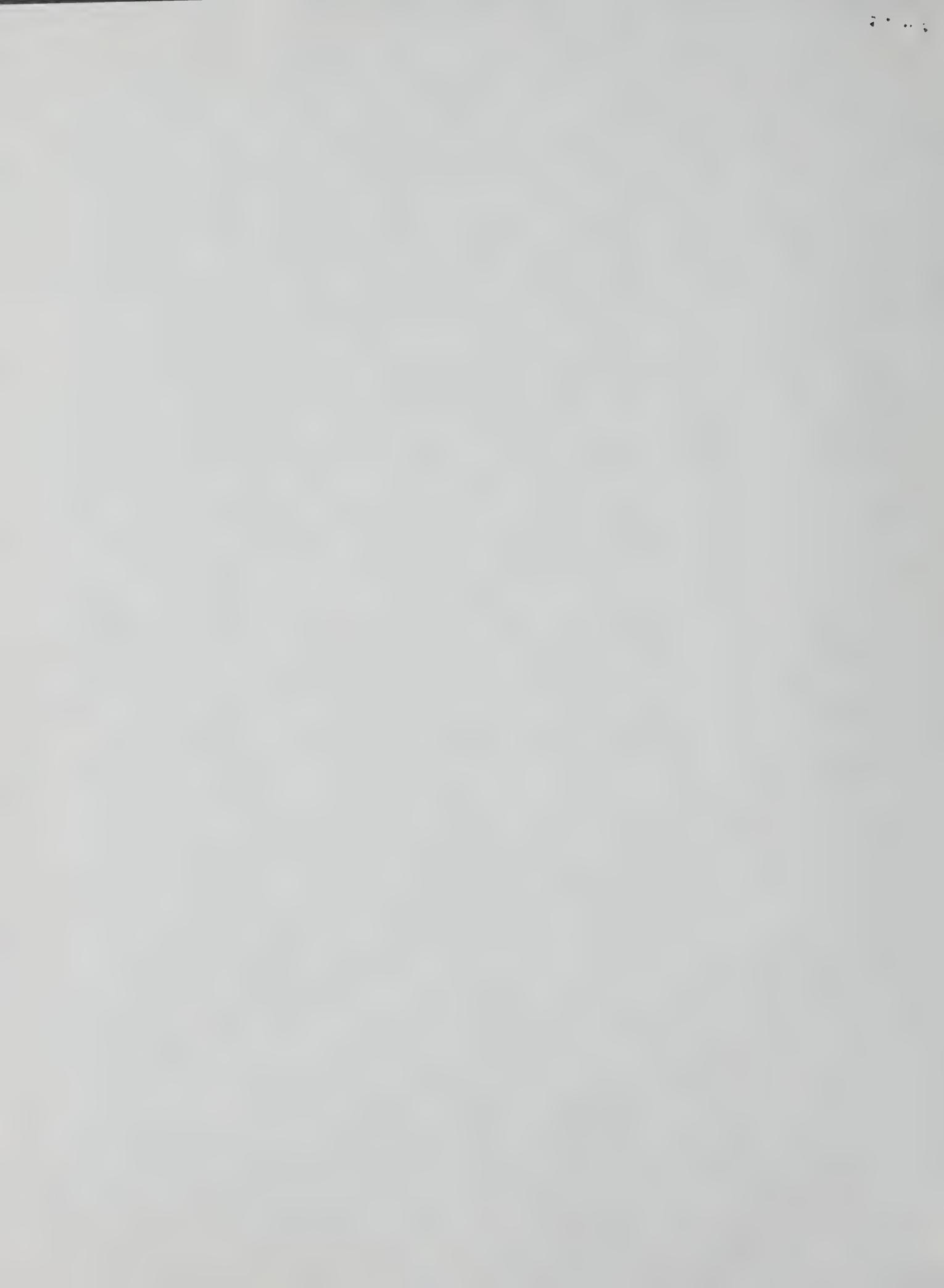
F.E.I.N. or S.S. _____

F.E.P.C. _____

SCHEDULE A

At the direction of the Executive Secretary of the Nature Preserve Commission, the contractor shall perform the following professional services:

1. Prepare Master Plans for the dedication, preservation, management and enhancement of eight (8) specific natural areas, said natural areas to be designated by the Executive Secretary and said Master Plans to be in conformity with rules provided by the Executive Secretary.
2. Monitor and report to the Executive Secretary on the status and condition of threatened natural areas, said areas to be designated by the Executive Secretary.
3. Survey and report the status of one hundred and fifty (150) natural areas in the State, said areas to be designated by the Executive Secretary.
4. Contact no less than landowners regarding the possibility of their property being dedicated as nature preserves or as Natural Heritage Landmarks and report the status of such contacts to the Executive Secretary.
5. Negotiate with no less than landowners the terms of any preservation programs for natural areas in accordance with rules for such preservation as adopted by the Department of Conservation. Such negotiation efforts shall be done with the approval of the Executive Secretary.
6. Negotiate the terms of any dedication documents with no less than landowners and prepare and record such dedication documents.
7. Assist Department of Conservation personnel in the Natural Heritage Landmark Designation process for not less than sites, in accordance with rules and standards provided by the Executive Secretary.



June 1981

ILLINOIS NATURE PRESERVES COMMISSION

DIRECTORY

INPC 84
Item 4-E)

MEMBERS

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D. Jeffry Voigt
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R. #1, Box 215
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ADVISORS

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Phone: 217/782-6302

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Illinois Natural History Survey
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STAFF, ILLINOIS NATURE PRESERVES COMMISSION/NATURAL LAND INSTITUTE

Executive Secretary:
George B. Fell
320 South Third Street
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Residence:
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Randy Nyboer
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Sterling 61081
Phone: 815/625-2220

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Morrison 61270
Phone: 815/772-2714

Andy West
Department of Conservation
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Benton 62812
Phone: 618/435-8138

Residence:
R. R. 2, Box 10
Creal Springs 62922
Phone: 618/996-3459

Illinois Nature Preserves Commission
Stephen Packard, Field Representative
May 20, 1981

INPC 84
Item 8)

Notes on character & quality of Somme Prairie, Cook County, Illinois

This brief report is in response to the Commission's request for information on the character and quality of those portions of the proposed Somme Prairie area that do not have prairie vegetation.

Originally the entire tract was prairie (Public Land Survey - 1840). During 1938-39 the Forest Preserve District, not anticipating the importance such a remnant would come to have, planted most of the site to green ash, black walnut and perhaps other species. Previous grazing of some parts of the site had badly reduced the vigor of the prairie community, and in these areas the trees prospered. Elsewhere apparently severe competition for water killed or stunted all or some of the trees.

The result is a patchwork pattern (see accompanying map) in which most prairie areas contain some trees, and most wooded areas yet retain some prairie in the understory. In 1980, a burning program was initiated by the Forest Preserve District, and the cutting of trees and brush from highest priority areas by volunteers continues on a regular basis. As much of the good quality prairie as possible will be restored. The richness of the seed source is sufficient that it is reasonable to expect all the open area to succeed to good quality prairie in time if the burning program continues.

The area north and northwest of the post office was partially scraped and filled while a Coast Guard missile site. Some prairie species are re-invading such ground. Along the channelized North Branch are some areas of dense willow and buckthorn with no prairie aspect remaining.

Adjacent to the proposed preserve on the east side of the Milwaukee Road tracks, is a somewhat larger area with a similar checkered history. This tract has a smaller amount of very high quality prairie and was not recognized by the Illinois Natural Areas Inventory. The Forest Preserve District has recently accepted an offer by a volunteer group to manage the open areas here for restoration of the prairie. This group, the North Branch Prairie Project (associated with the Sierra Club), manages a number of prairies for the District.

Proper management of these two sites would result in an acreage quite substantially greater than the 12 acres of "A" and "B" prairie which now exists. Presence of the larger area east of the proposed preserve would also absorb the pressures for excess use that the preserve might otherwise face.

No endangered species have been discovered on the site despite considerable field work. There is some likelihood that a grassland this size would someday attract nesting pairs of endangered prairie birds.

PROPOSED NATURE PRESERVE IS WEST OF RAILROAD TRACKS.

SOMME PRAIRIE

FOREST PRESERVE DISTRICT OF
COOK COUNTY

- AREA EAST OF TRACKS IS BEING MANAGED
FOR RESTORATION OF PRAIRIE IN THE OPEN AREAS
BY A VOLUNTEER GROUP.

this symbol
indicates areas
in which wood
vegetation
predominates

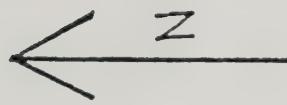


A-D

letters indicate
quality of area
"A" areas are
essentially
undisturbed

(INDUSTRIAL)

(INDUSTRIAL)



WAUKEGAN ROAD

DUNDEE ROAD

C.M.S.P. + P.

NORTH BRANCH OF THE CHICAGO RIVER

POST OFFICE
NORTHBROOK
PARK DISTRICT

A (FILE)



TNPC 84
Item 9

4071 East Adams St.
Springfield, IL 62701
217 544-5954

Sandra McAvoy, Ex. Director

Board of Directors

Elected

Mary Bressler
Chairwoman

Diane Burns
Vice Chairwoman

John Dickel Sec. Treas.
1980-81

Hal Gardner
Braunfield

Bruce Hinman
Chairman

Regina Lina
Chairwoman

James Yoho Vice Pres.
1980-81

Appointed

John C. Carlson
Associate College
Environmentalists

Carol Paulson
Audubon Council of
Illinois

Arlene Murphy
Chicago Audubon
Society

Diane Sipe
Chicago Tree Association

Larry Johnson
Great Lakes Chapter,
Sierra Club

John M. McAvoy
Loyola University
Chicago

Richard Worthen, Pres.
Pilgrim Palisades Group,
Sierra Club

Mark von Rogen
Prairie Alliance

Ralph Passarelli
Environmon Bank & Trust

Keith Larsen
Save the Land, Inc.

**Individual Member
Representative**

Jim McAvoy
Chairwoman

May 4, 1981

**Dr. David Kenney, Director
Department of Conservation
Stratton Building
Springfield, IL 62706**

Dear Dr. Kenney:

The Illinois Environmental Council is deeply concerned about the threatened loss of ancient cypress trees and wetlands along the lower Cache River in Johnson and Pulaski counties. Accordingly, the following resolution was adopted at the IEC Board meeting held on May 3 in Chicago:

The Board of Directors of the Illinois Environmental Council supports preservation efforts on the lower Cache River, and it urges the Department of Conservation to give high priority to such efforts and to take immediate steps to acquire parcels of land in this area through outright purchase and land exchange.

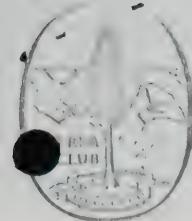
We hope that you will take the urgency of the problem into consideration.

"Sincerely,

**Sandra McAvoy
Executive Director**

cc: Ralph Brown, The Nature Conservancy

SM/vrs



Sierra Club

Great Lakes Chapter

53 West Jackson Boulevard | Chicago, Illinois 60604 | (312) 431-0158

April 25, 1981

Dr. David Kenney, Director
Illinois Department of Conservation
Stratton Building
Springfield, Ill.

Dear Dr. Kenney:

One of the State's most exceptional natural areas is the cypress swamp located between Karnak and Ullin along the Lower Cache River. A portion of this area, known as Buttonland Swamp, has already been designated a National Natural Landmark by the U.S. Department of the Interior. Many State record trees grow along the Lower Cache and there are also two national champions. The cypress swamp may well have the oldest stand of trees east of the Mississippi River and it is also an important resting area for migratory waterfowl.

For years the Lower Cache has been famous for its hunting and fishing; but in recent times the draining of wetlands and the clearing of forests have threatened the entire ecosystem. Since the Lower Cache is an area of national significance, the Great Lakes Chapter of the Sierra Club at its executive committee meeting on April 25, 1981 in Carbondale hereby resolves:

1. That the Illinois Department of Conservation consummate its negotiations with Westvaco to trade Burnham Island for the tract along the Lower Cache.

2. That the Illinois Department of Conservation cooperate with the Nature Conservancy on the purchase of the Roy Kerley and E. J. Showmaker tracts in Sections 7, 8, 13 and 18 in Johnson and Pulaski Counties. Unless speedy action is taken, these tracts may soon be cleared.

3. That the State of Illinois exercise its legal authority to prevent any further draining or dredging of the swamp by individuals or drainage districts who are operating without legal permits from Federal and State authorities; and that anyone found guilty of such violations be prosecuted to the full extent of the law.

The executive committee of the Great Lakes Chapter, representing 6,588 Sierra Club members in Illinois, also directs that copies of the above resolution be sent to the following individuals:

Hon. James Thompson, Governor

Col. Robert Dacey, District Engineer, St. Louis District COE

Tyrone Fahner, Attorney General, State of Illinois

Mary Lou Marzuki, Chairman, Illinois Nature Preserves Commission

Ralph Brown, Illinois Chapter, The Nature Conservancy

Yours truly,

Richard Warrington

Richard Warrington, Chairman
Great Lakes Chapter, Sierra Club

MEMORANDUM

TO: Commission members, advisors and consultants

FROM: Gerald Paulson, Preservation Coordinator

DATE: May 22, 1981

SUBJECT: Barat Ravine, Lake County, Illinois (INAI #665)

The Lake Forest Planning Commission has approved the Havenwood Subdivision, which includes the northern side of Barat Ravine. The southern side is owned by the City of Lake Forest, having been donated to the City many years ago by the Edward L. Ryerson family, former owners of Havenwood. The ravine was recognized on the Illinois Natural Areas Inventory as habitat of the State threatened pale vetchling, Lathyrus ochroleucus, and for the high quality forest on the slopes of the ravine.

Staff has been working with the developer and the City to assure protection of the ravine. The developer proposed that he dedicate his part of the ravine as a nature preserve and then subdivide the land and sell residential lots subject to the dedication. The Nature Preserves Commission passed a resolution on June 6, 1980 (Res. 548) encouraging the staff to pursue negotiations for the preservation of Barat Ravine.

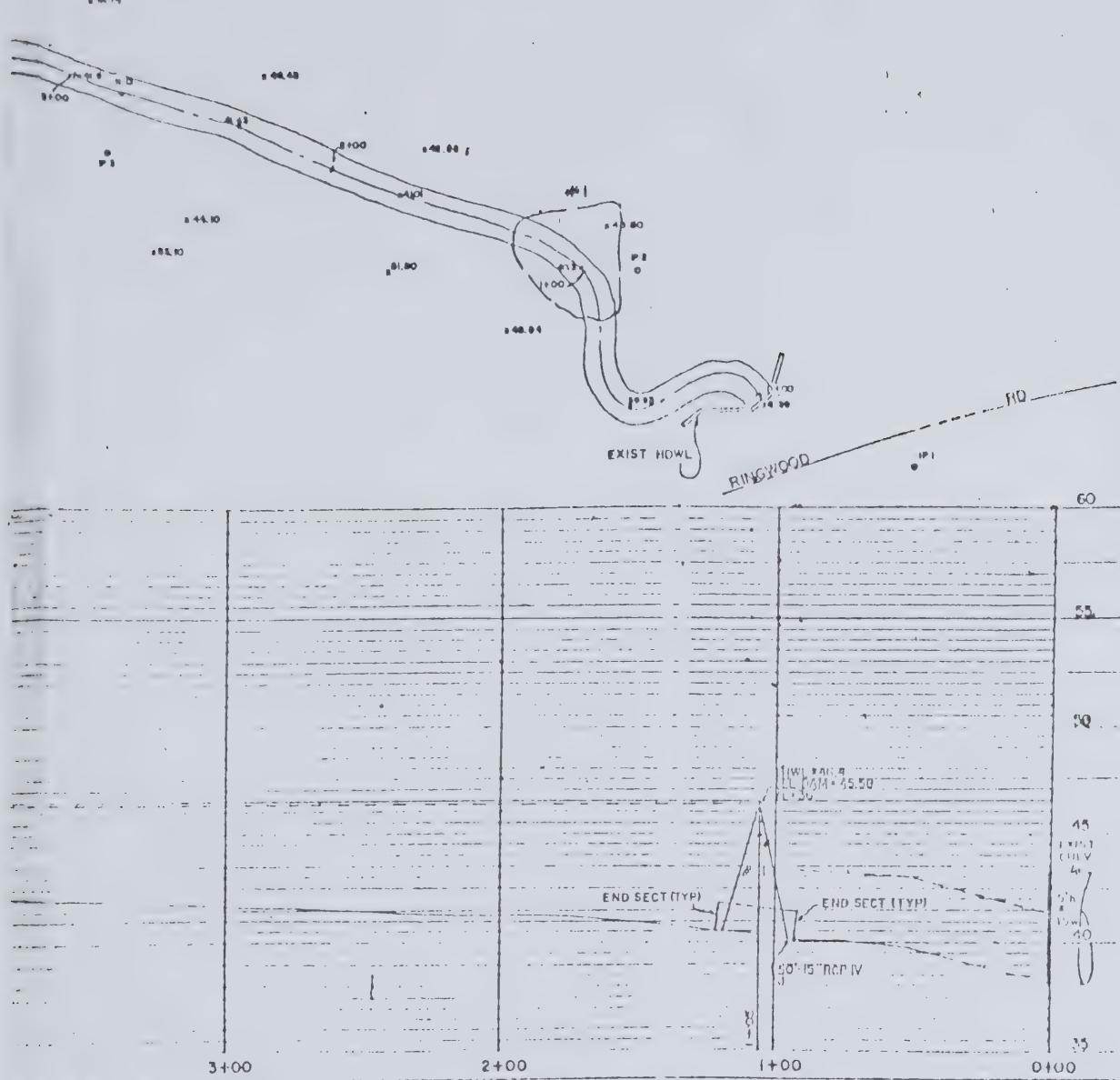
The final development plans for Havenwood include the construction of five storm water detention structures in the bottom of the ravine. These are earthen and rock dams about five feet high with uncontrolled culverts to release the water. The dams will be placed at intervals along the ravine bottom (see diagram). Storm water detention is required by the City, which also feels that the detention structures will help alleviate erosion damage further down the ravine.

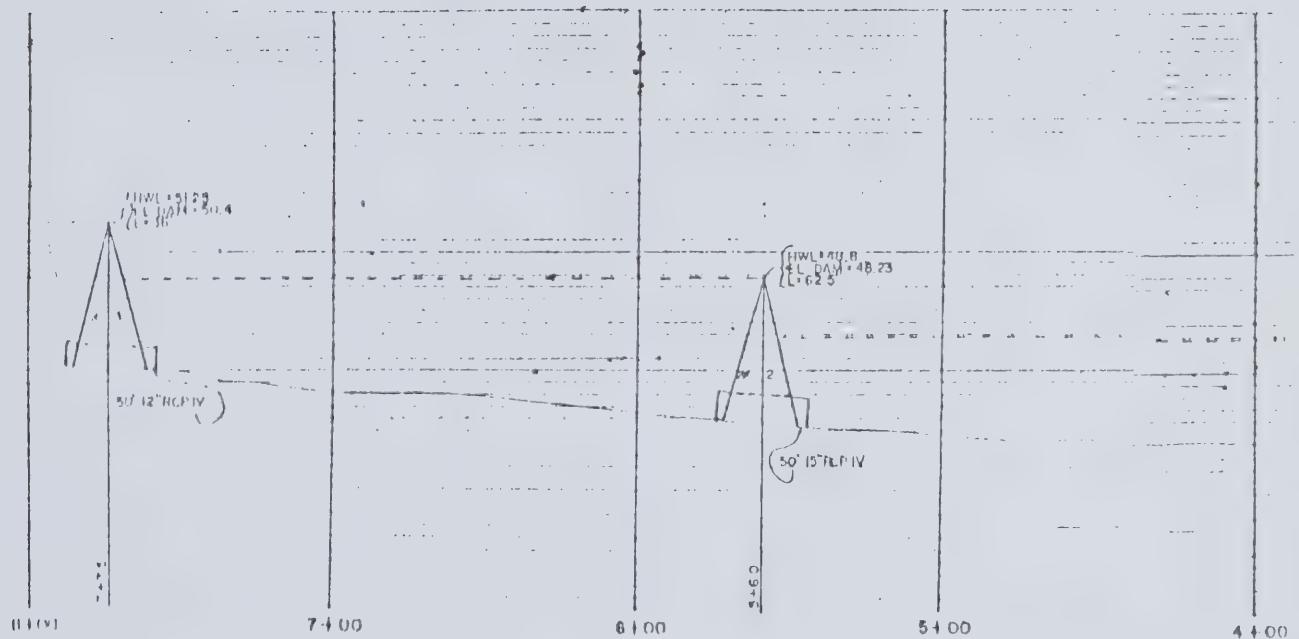
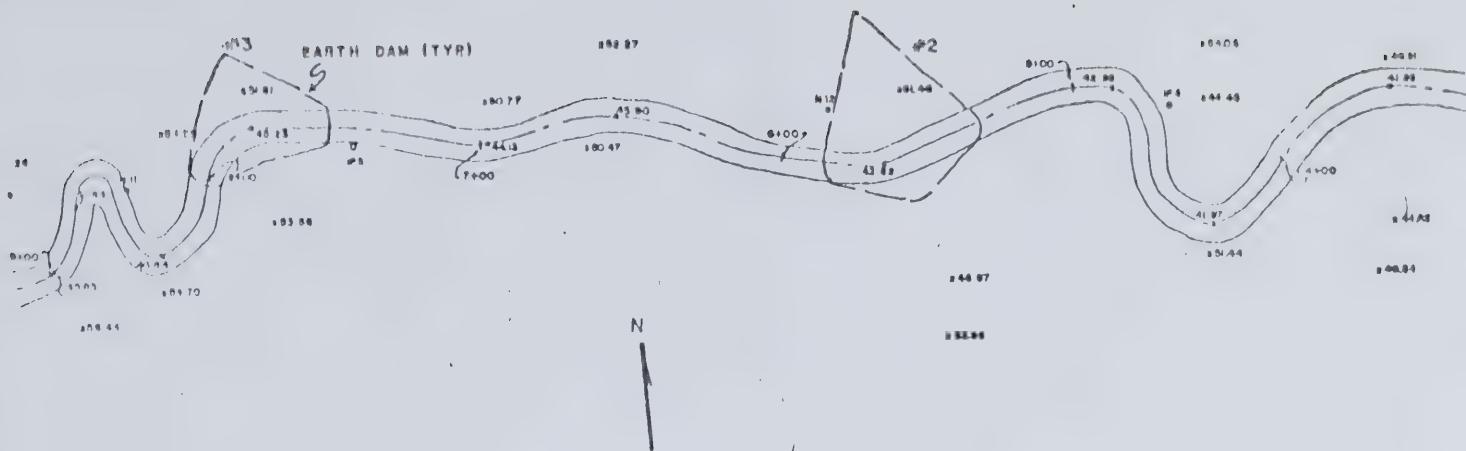
Staff examination of the proposed development and its relationship to the ravine showed that it would be difficult to protect the ravine slopes once the development is completed. The detention areas in the bottom of the ravine will drastically change the ravine bottom, although there is already an existing problem of erosion from increased storm water run-off and other changes in the ravine. A major reconstruction project where Sheridan Road crosses the ravine should help stabilize the erosion.

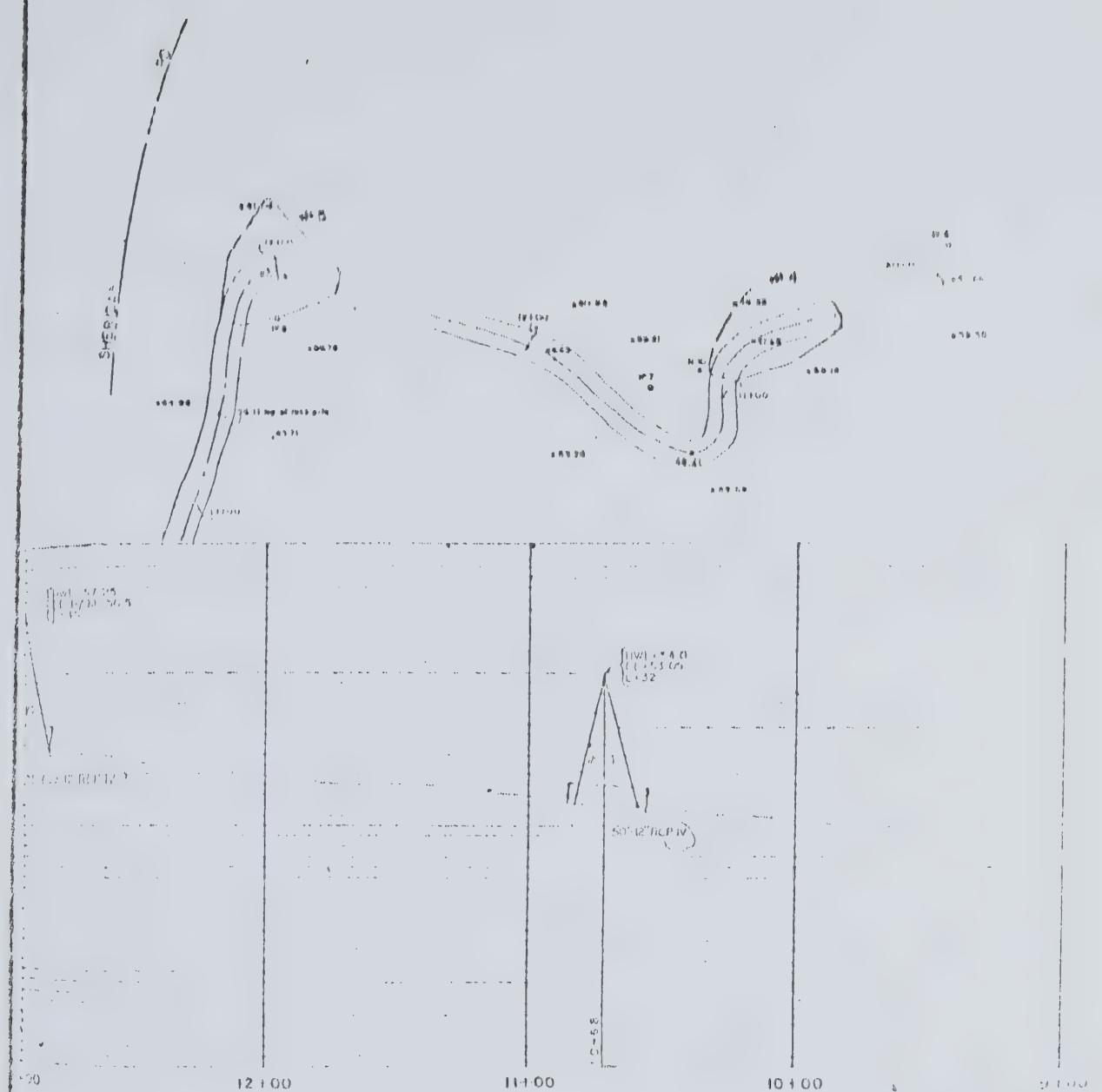
I have recommended to the City that they negotiate donation of a conservation easement from the developer as part of the final approval of the development plan. This would help protect the City's interest in the ravine, and would give the City a stronger position in enforcing the ravine set-backs, etc. that have been required of the developer.

I do not recommend that dedication of the ravine be pursued at this time because of the many uncertainties, the difficulty in enforcing the dedication on several small private parcels, and the alteration of the ravine by construction of the five storm water detention basins.









DEDICATION OF A NATURE PRESERVE

MacARTHUR WOODS

KNOW ALL PEOPLE BY THESE PRESENTS, that the Lake County Forest Preserve District, being the owner thereof does hereby dedicate the following described real property as a nature preserve:

All that part of Section 34, Township 44 North, Range 11 East of the Third Principal Meridian lying west of the west right-of-way of the public road known as St. Mary's Road, northerly of the north right-of-way of Illinois State Route 60, easterly of the center of the Des Plaines River and southerly of the south right-of-way line of the Elgin, Joliet and Eastern Railroad Company, EXCEPTING therefrom all that part thereof bounded and described as follows: Beginning at a point 100 feet south of the northeast corner of the southeast quarter of the northeast quarter of said Section 34; thence west along a line parallel to and 100 feet south of the north line of said quarter quarter section to the west line thereof; thence south along the west line of said quarter quarter section to the southwest corner thereof; thence south along the west line of the northeast quarter of the southeast quarter of Section 34 for a distance of 200 feet; thence east parallel to and 200 feet south of the north line of said quarter quarter section to the east line of Section 34; thence north along said east line to the point of beginning, in Lake County, Illinois.

The property hereinabove described is dedicated for the purposes, and shall be held, maintained, and used, as provided for Nature Preserves in "An Act in relation to the acquisition, control, maintenance, improvement and protection of State parks and nature preserves", approved June 26, 1925, as heretofore amended and "An Act relating to the creation of the Illinois Nature Preserves Commission and defining its powers and duties", approved August 28, 1963, as heretofore amended. Said property is further dedicated for the purposes, and shall be held, maintained, and used, as provided for Nature Preserves in any amendment to said Acts enacted hereafter, but no such amendment shall alter the exclusive commitment of said land to the preservation of natural conditions for the purposes specified in said Acts as of the date of this dedication.

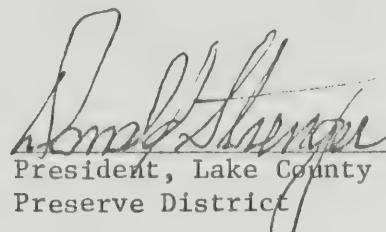
This dedication is, however, subject to the provision that the Lake County Forest Preserve District may, upon approval of the Illinois Nature Preserves Commission, use any portion of the property herein dedicated that

lies within 500 feet of the north right-of-way line of Illinois State Route 60, the west right-of-way line of St. Mary's Road, and the south right-of-way line of the Elgin, Joliet and Eastern Railroad for multi-use trail purposes, and that all that area within 100 feet of the north right-of-way line of Illinois State Route 60 and the west right-of-way line of St. Mary's Road may be used for public highway purposes, with the approval of the Illinois Nature Preserves Commission.

The Lake County Forest Preserve District, its assignees or successors, shall have custody and management of the nature preserve herein dedicated, subject to the Rules for Management of Illinois Nature Preserves, as amended, and any approved master plan.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this

1st day of May, 1981.



President, Lake County Forest
Preserve District

ATTEST:

Secretary, Lake County Forest
Preserve District

APPROVED:

Governor

Date

APPROVED:

Director, Department of
Conservation

Date

APPROVED:

Chairman, Illinois Nature
Preserves Commission

Date

ATTEST:

Secretary, Illinois Nature
Preserves Commission

All that part of Section 34, Township 44 North, Range 11 East of the Third Principal Meridian lying west of the west right-of-way of the public road known as St. Mary's Road, northerly of the north right-of-way of Illinois State Route 60, easterly of the center of the Des Plaines River and southerly of the south right-of-way line of the Elgin, Joliet and Eastern Railroad Company, EXCEPTING therefrom all that part thereof bounded and described as follows: Beginning at a point 100 feet south of the northeast corner of the southeast quarter of the northeast quarter of said Section 34; thence west along a line parallel to and 100 feet south of the north line of said quarter quarter section to the west line thereof; thence south along the west line of said quarter quarter section to the southwest corner thereof; thence south along the west line of the northeast quarter of the southeast quarter of Section 34 for a distance of 200 feet; thence east parallel to and 200 feet south of the north line of said quarter quarter section to the east line of Section 34; thence north along said east line to the point of beginning, in Lake County, Illinois.

EXHIBIT A

All that part of the southwest quarter of the southeast quarter of Section 22, Township 46 North, Range 11 East of the Third Principal Meridian lying westerly of the westerly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and easterly of the center of the Des Plaines River and, the northwest quarter of the southeast quarter and all that part of the west half of the northeast quarter of Section 27, Township 46 North, Range 11 East of the Third Principal Meridian lying westerly of the westerly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and easterly of the center of the Des Plaines River, in Lake County, Illinois.

EXHIBIT A

All that part of the northwest quarter of the southeast quarter of Section 22, Township 46 North, Range 11 East of the Third Principal Meridian lying westerly of the westerly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and easterly of the center of the Des Plaines River and, all that part of the south half of the southwest quarter of said Section 22, lying southeasterly of the center of the Des Plaines River, ALSO all that part of the east half of the west half of Section 27, Township 46 North, Range 11 East of the Third Principal Meridian lying easterly of the center of the Des Plaines River, in Lake County, Illinois.

EXHIBIT B

WADSWORTH PRAIRIE

KNOW ALL PEOPLE BY THESE PRESENTS, that the Lake County Forest Preserve District, being the owner thereof does hereby dedicate the following described real property as a nature preserve:

All that part of the southwest quarter of the southeast quarter of Section 22, Township 46 North, Range 11 East of the Third Principal Meridian lying westerly of the westerly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and easterly of the center of the Des Plaines River and, the northwest quarter of the southeast quarter and all that part of the west half of the northeast quarter of Section 27, Township 46 North, Range 11 East of the Third Principal Meridian lying westerly of the westerly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and easterly of the center of the Des Plaines River, in Lake County, Illinois.

The property hereinabove described is dedicated for the purposes, and shall be held, maintained, and used, as provided for Nature Preserves in "An Act in relation to the acquisition, control, maintenance, improvement and protection of State parks and nature preserves", approved June 26, 1925, as heretofore amended and "An Act relating to the creation of the Illinois Nature Preserves Commission and defining its powers and duties", approved August 28, 1963, as heretofore amended. Said property is further dedicated for the purposes, and shall be held, maintained, and used, as provided for Nature Preserves in any amendment to said Acts enacted hereafter, but no such amendment shall alter the exclusive commitment of said land to the preservation of natural conditions for the purposes specified in said Acts as of the date of this dedication.

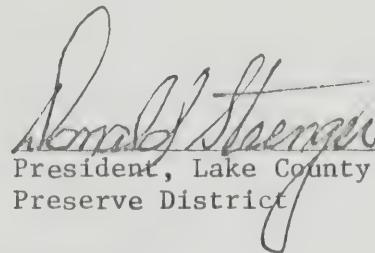
The following described real property lying adjacent to the nature preserve herein dedicated is dedicated as, and shall be held as, buffer area for the protection of the nature preserve. Said buffer area may be developed, managed, or used for public conservation, recreation or service purposes as may be approved by the Illinois Nature Preserves Commission and the Department of Conservation or shall be managed as if it were part of the nature preserve herein dedicated.

All that part of the northwest quarter of the southeast quarter of Section 22, Township 46 North, Range 11 East of the Third Principal Meridian lying westerly of the westerly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and easterly of the center of the Des Plaines River and, all that part of the south half of the southwest quarter of said Section 22, lying southeasterly of the center of the Des Plaines River, ALSO all that part of the east half of the west half of Section 27, Township 46 North, Range 11 East of the Third Principal Meridian lying easterly of the center of the Des Plaines River, in Lake County, Illinois.

The Lake County Forest Preserve District, its assignees or successors, shall have custody and management of the nature preserve herein dedicated, subject to the Rules for Management of Illinois Nature Preserves, as amended, and any approved master plan.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this

1st day of May, 1981.



Arnold H. Steenzer
President, Lake County Forest
Preserve District

ATTEST:



Grace Mary Stern
Secretary, Lake County Forest
Preserve District

APPROVED:

Governor

Date

APPROVED:

Director, Department of
Conservation

Date

APPROVED:

Chairman, Illinois Nature
Preserves Commission

Date

ATTEST:

Secretary, Illinois Nature
Preserves Commission



TO:		George Fell, Gerald Paulson,
FROM		Ill. Nature Preserve Commission
TO:		Judy Faulkner, Field Rep.

RE
Dedication of 20 acres of Bohm Woods.

DATE	MAIL	PHONE	VISIT	OUT	IN
5/19/81					
DISTRIBUTION	FILE				

History of LOC on Bohm Woods

The initial LOC with Miss Dora Bohm of Rt. 6, Edwardsville was on June 25, 1979 at her centennial farm home in Edwardsville, Illinois. Miss Bohm, an elderly woman, has long known of the natural quality of the woods, has a strong German ancestral family history tie to the woods and has expressed a desire from the first contact to see the woods preserved. Miss Bohm has never been married, has two sisters (1 deceased) and a brother (also never married), five nieces, two nephews and grand nieces and nephews to total 31 relatives who will inherit the woods upon her death.

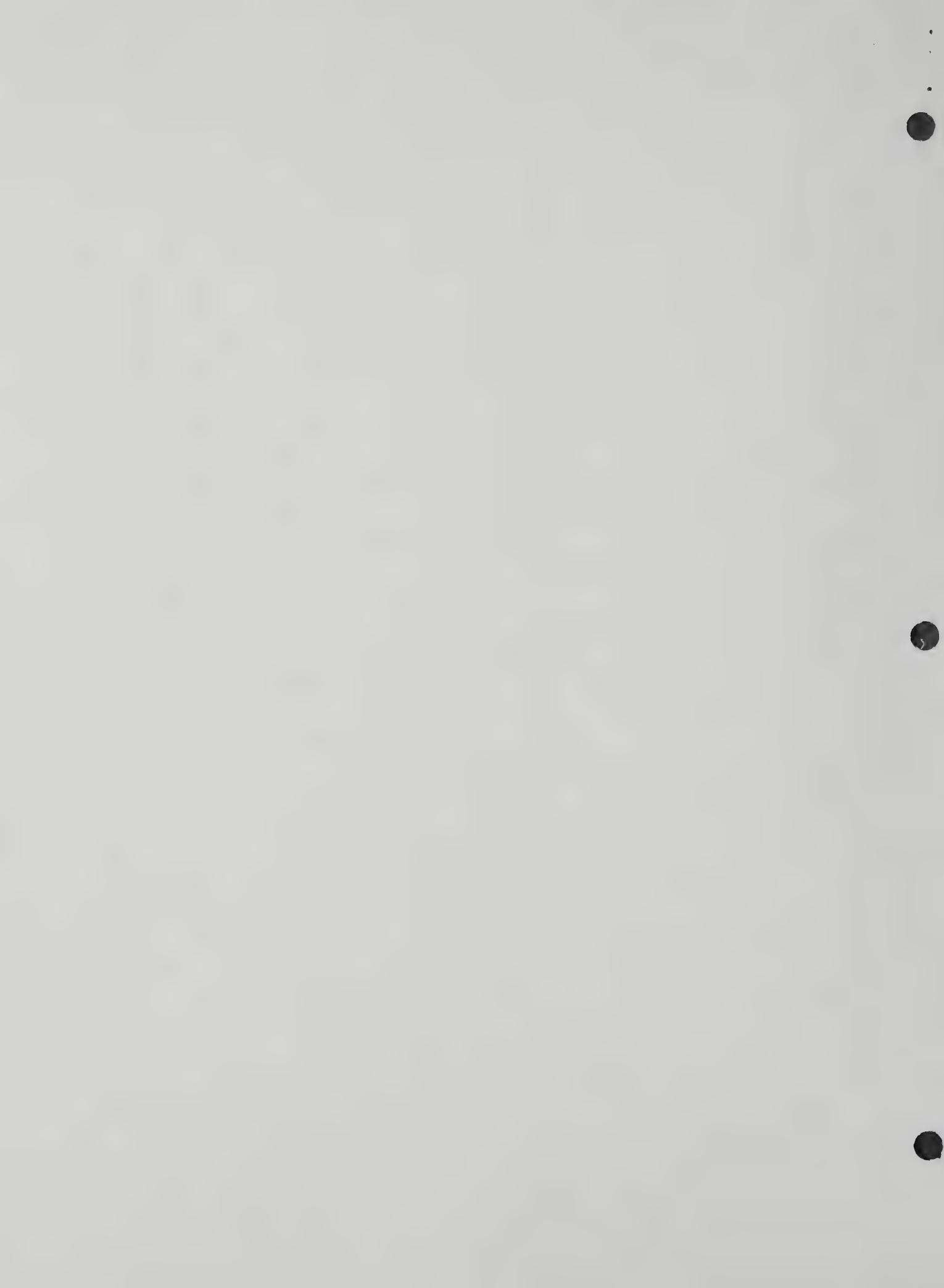
I have repeatedly and in detail proposed at various times to Miss Bohm the following methods of preserving Bohm Woods.

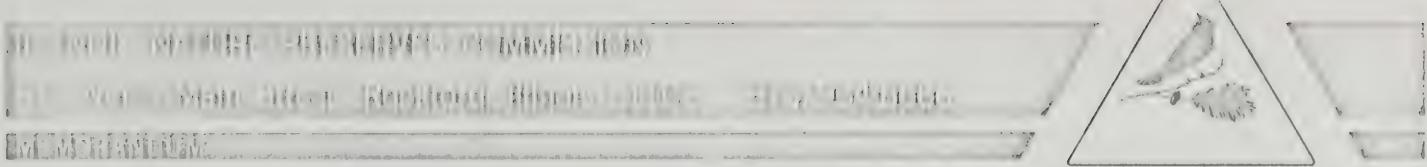
1. Dedicate the area as an Illinois Nature Preserve.
2. Dedicate the area and simultaneously donate it to the Natural Land Institute.
3. Dedicate the area and simultaneously donate it with a reserved life estate.
4. Sell the woods to a preservation organization.
5. Sell part and donate part to a preservation organization.
6. Dedicate the woods now and bequeath the area to the NLI in her will.
7. Give a "first right of refusal" on the woods to a preservation organization.

Proposed Dedication

From June 1979 through April 1981 Miss Bohm, although insisting she is interested in seeing the woods preserved has been unable to reach a decision and commit herself to any of the options available.

In April of 1981 Miss Bohm was approached by the City of Edwardsville, Illinois who wanted to acquire an easement on which to construct a sewer line. Miss Bohm telephoned me for assistance in protecting the woods. The threat forced Miss Bohm to reach a decision. Her decision was she would like to dedicate the 20 acres more or less that lies northwest of the farm road that transects the woods. The proposed sewer line was to be constructed along the northwest boundary of this area.





Page Two

To: George Fell, Gerald Paulson

FROM

Judy Faulkner

RE

Bohm Woods.

DATE	MAIL	PHONE	VISIT	OUT	IN	
DISTRIBUTION						FILE

Via telephone conversations with the City of Edwardsville and Juneau Associates (Consulting Engineers on this project) I was able to get them to agree to move the sewer line to the adjacent railroad right of way. The proposed impacts and feasible alternatives to this alternate plan are outlined in the enclosed memo to the Mayor of Edwardsville.

Andy West and myself looked at the area proposed for dedication and feel that in and of itself it is too small to be a manageable unit should something disturb the remainder of the woods. As of the present time Miss Bohm has been unable to make a decision to commit the remainder of the natural area to be donated, sold to a conservation organization, or dedicated as an INP. Her indecisiveness revolves around pleasing her heirs. Even though I informed her of my opinion that the portion she wishes to dedicate is not a manageable unit, she requested that her wish to dedicate be proposed to the commission for approval or rejection.

I also assured Miss Bohm that I would earnestly work to protect the woods from the impacts of the sewer line whether or not it was dedicated.

I feel very confident that Miss Bohm will protect the area throughout her lifetime, but it would be very difficult for 31 heirs to agree to protect the woods or have the financial means to do so.

Railroad also owns part of Natural Area

ILLINOIS NATURAL AREAS INVENTORY

AREA # 184

COUNTY: Madison

REFERENCE NUMBER: 5

AREA NAME: Bohm Woods

NATURAL AREA CATEGORIES & SIGNIFICANT FEATURES:

CAT.	DESCRIPTION
I	Grades A & B Mesic upland forest, Dry-mesic upland forest

EXCEPTIONAL FEATURES:

CAT.	DESCRIPTION
II	<i>Panax quinquefolius</i> (Mesic ravines)
II	<i>Hydrastis canadensis</i> (Mesic ravines)

LEGAL LOCATION:

SEC 8, T4N R8W 3PM

TOPOGRAPHIC QUADRANGLE: Wood River 7.5

TOTAL ACREAGE: 83

OWNERSHIP TYPE: Private

NUMBER OF OWNERSHIPS: 1

PRESERVATION STATUS:

Private land, protected by owner or lessee

THREATS:

Threat likely within 5 years: Owner is old



1
County MADISON

No. 5

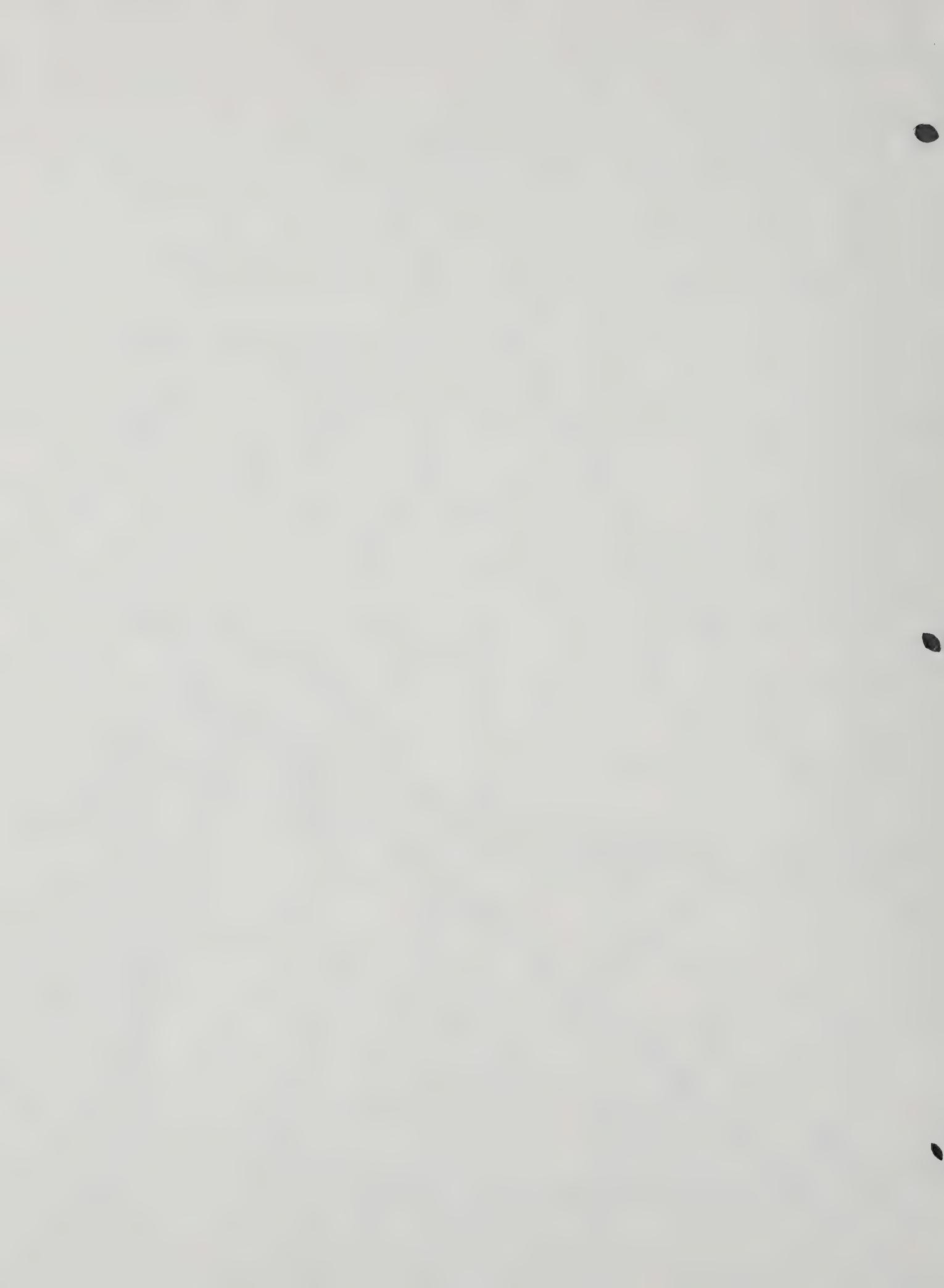
Name of Area BOHM WOODS

Quadrangle WOOD RIVER 7.5'

Location SEC. 8 T4N, R8W

ILLINOIS NATURAL AREAS INVENTORY





Illinois Nature Preserves Commission



320 SOUTH THIRD STREET
ROCKFORD, ILLINOIS 61108
315/964 6666

R.R. 2, Box 178
Murphysboro, IL 62966
May 19, 1981

MEMBERS

Chairman
MARY LOU MARZUKI
158 Monet Road
Park Forest, Illinois 60466
312/748 5016

Vice-Chairman
DR. DALE E. BIRKENHOLZ
Department of Biological Sciences
Illinois State University
Normal, Illinois 61761
309/436 6567

Secretary
JERROLD SOESBE
2000 North Milwaukee Avenue
Libertyville, Illinois 60048
312/367-6640

CELESTE FISKE
157 1/2 Bus Road
Ringwood, Illinois 60072
315/338 1405

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315/732-7734

JUDITH M. JOY
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Centralia, Illinois 62801
318/532-3059

DR. ROBERT MOHLENBROCK
Department of Botany
Southern Illinois University
Carbondale, Illinois 62901
318/536-2331

JANCY R. RANNEY
Route 1, Box 196
Libertyville, Illinois 60048
312/362-2281

RESTON W. SCHELBACH
35 North Main Street
Decatur, Illinois 62521
317/423-7708

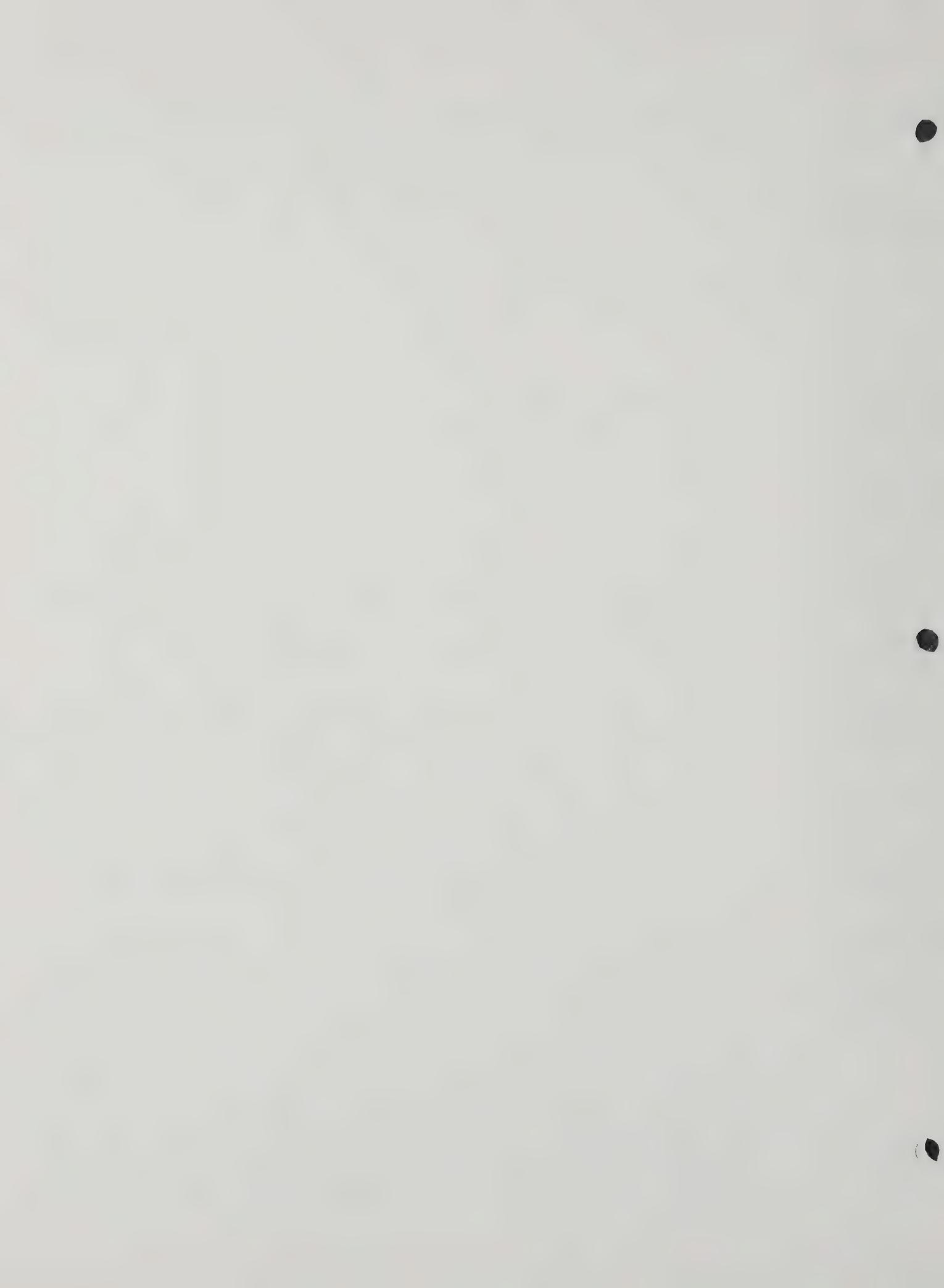
Mayor Steven Ellsworth
and City Council Members
Mayor's Office
Edwardsville, IL 62025

Dear Mayor and City Council Members:

On April 10, 1981 I received a telephone call from Miss Dora Bohm pertaining to an easement for a sewer line to be constructed by the City of Edwardsville. I have been working with Miss Bohm since March 1979 in negotiating an agreement to formally (legally) preserve her 83 acre tract of undisturbed mesic and dry mesic upland forest that would be impacted by this sewer line.

The Bohm Woods was found to be the last and best of its type statewide by the Illinois Natural Areas Inventory. It is the only high quality forest remaining in Madison County. The Illinois Natural Area Inventory was an all encompassing three year study funded by the state Department of Conservation. The goal of the study was to identify the best remaining examples of forests, prairies, marshes and other natural areas in our state. The results showed that less than 7/100 of 1% of our states' land still remains in an undisturbed natural state. The Bohm Woods is one of these rare tracts.

Miss Bohm has agreed to dedicate a portion of her woods as an Illinois Nature Preserve. This means she will retain title to the area but legally agrees to preserve the woods. She will then have given up the rights to develop the land, harvest the timber or in anyway harm the natural quality of the area. The area when dedicated will be included in the state system of Nature Preserves which is legally protected by the Nature Preserves Act of 1963. An area dedicated as a nature preserve is said to be "put to its highest and best use" for the public good and even the right of eminent domain cannot adversely affect a Nature Preserve. The dedication of Bohm Woods will be on the Agenda for the June 1, 1981 meeting of the Illinois Nature Preserves Commission.



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May 19, 1981

It is therefore imperative that the Bohm Woods not be adversely impacted by the sewer line in question.

On April 14, 1981 I spoke with Mr. Ed Juneau, Juneau Associates and Mr. Ray Hessel, City of Edwardsville to explain the above facts to them.

On May 8, 1981 I met at the proposed construction site with Andrew West, Natural Heritage District Biologist from the Department of Conservation who is assisting me in protecting the woods; and Charles Juneau and Roger McNeally of Juneau Associates (2100 State Street, Granite City, IL 62040), consulting engineers for the City of Edwardsville. The proposed construction site is the northwestern part of the natural area and the adjoining railroad right-of-way. We were informed that the sewer line itself would be on the railroad right of way, but that an additional (maximum) 30 foot width of the Bohm Woods is needed for a construction easement. Along the forested part of the railroad easement and the additional 30 foot proposed easement from the Bohm Woods most forest vegetation is proposed to be removed for construction of the sewer line. In addition to the proposed vegetation removal for a length of 670' a^{30'} maximum depth of soil forming the slope is to be removed and used to match the grade and meet construction slope specifications. A 30 foot maximum width and 670' length of the Bohm Woods is proposed to be removed and reshaped to conform to slope specifications.

This proposed removal of earth and forest vegetation would be a tremendous adverse impact to the proposed Nature Preserve. Not only would it obviously destroy the large numbers of very old trees and associated herbaceous plants present but it would create a far reaching edge effect that would adversely impact the undisturbed forest character for as much as 100' southeast of the project. Data has been collected (5/8/81) on the frequency, species and diameter of trees that would be destroyed with associated shrubs and herbaceous plants listed.

I realize that construction is complicated by the existence of a water line, a railroad utility line within the maintained railroad right of way, a flood gate and a stipulation that construction remain 25 feet from the railroad tracks. However, I recommend that in order to



Page Three
May 19, 1981

avoid impact to the woods one of the following feasible alternatives be considered in lieu of removing earth and vegetation from the Bohm Woods:

1. Reroute the sewer line under the railroad tracks along the west side of the railroad. (Close proximity of Cahokia Creek and the presence of levees complicate this alternative.)
2. Get special permission to place the sewer line closer than 25 feet from the railroad tracks. This will remove the problem of using the proposed construction easement on Bohm Woods.
3. Change the slope specifications to allow a steeper grade and reinforce slope face so as not to need the proposed construction easement for regrading the slope.
4. Construct the sewer line by positioning it in a 30' deep trench, rather than removing a 30 foot depth of soil from the entire hillside.
5. Auger through the hillside at a 30' depth, rather than removing a 30' depth of soil.

Since we understand that the city hopes to let bids on the project by July 15, 1981 we realize that together we must work quickly in deciding on a feasible alternative to severely impacting the Bohm Woods.

I will look forward to receiving a communication from you in the near future.

Sincerely,

Judy Faulkner

Judy Faulkner, South
Central Field Representative
Illinois Nature Preserves Commission

cc: Charles Juneau Assc.
Ray Hessel, City of Edwardsville
Steffanie Robbins, Chrm., Sewer Commission
Andy West, DOC
Dave Gillespie, DOC
Carl Becker, DOC
✓Jerry Paulson, INPC

Office
memorandum

Prairie

Programmatic assessment report

to: Dave Gillespie
from: K.A. West
date: May 12, 1981
subject: Proposed sewer line construction (City of Edwardsville) and
probable impact upon Bohm Woods Natural Area (Madison Co. #5)

Upon your request, I looked at the probable impacts of a proposed sewer line construction project at Bohm Woods natural area last Friday (May 8). I was accompanied by Judy Faulkner, field representative for the Nature Preserves Commission, and met Charles Juneau and Roger McNeally of Juneau Associates (2100 State St., Granite City 62040, tel. 877-1400), consulting engineers for the City of Edwardsville.

Bohm Woods is a privately owned natural area (owner is Miss Dora Bohm of rural Edwardsville) recognized during the I.N.A.I. for significant mesic and dry-mesic upland forest. During my field work there on Friday, I was impressed by the apparent undisturbed nature and high quality of the forest communities of Bohm Woods. The area's mesic character creates a lush understory flora and the statures of the large individual trees are outstanding. It is the finest forested natural area I have seen in the region overlooking the American Bottoms.

The proposed construction site is in the northwestern part of the natural area and is to be partly upon a railroad right-of-way, ownership of which extends into the woods (see attached map). Mr. Juneau indicated that an additional (average) 30-foot width southeast of the railroad easement is needed for purchase from Miss Bohm's estate. Along the forested part of the railroad easement and this additional 30-foot proposed easement, most forest vegetation will need to be removed for construction of the sewer line. Additionally, a large portion of a forested slope in the extreme southwestern part of the proposed easement will need to be removed (dug out, up to 30 feet in depth) in order to match the grade and meet final construction slope specifications.

Construction is complicated by the existence of an old (built in 1920's), but still functioning water line and a railroad utility line within the open (maintained) railroad right-of-way. There is also a stipulation that construction must be done no closer than 25' from the railroad tracks. High cost and the close proximity of Cahokia Creek and associated levees prevent re-routing of the line under the railroad tracks and along the west side of the railroad.

The proposed construction will impact three vegetation communities along its route: 1) cleared and maintained R.O.W. adjacent to railroad tracks (also containing utility line and water line), 2) mesic to dry-mesic slope forest and forest edge, 3) floodplain forest. To better assess potential impact, Judy

and I walked a line along the proposed sewage line site and tried to determine what impact construction will have upon 1) forest on railroad R.O.W., 2) forest on R.O.W. to be purchased from Miss Bohm, and 3) impact upon remaining portion of Miss Bohm's natural area. We collected the following data (presented on attached forms):

1. Woody plant species of entire project site (along sewer line R.O.W.)
2. Forest tree tally by 1-dm Diameter Class (for upland and floodplain forest) in new R.O.W. to be purchased from Miss Bohm. Labelled Stand 1
3. Forest tree tally by 1-dm Diameter Class (upland and floodplain) in forested part of existing R.R. R.O.W. Labelled Stand 2
4. Shrubs and woody vines along proposed sewer line R.O.W. (combined Stands 1 and 2).
5. Ferns and herbaceous species along proposed sewer line R.O.W. (combined Stands 1 and 2).

The forested area along the existing railroad right-of-way was estimated as approximately 60 feet wide and nearly 670' in length. Removal of forest vegetation along the line will not only totally destroy the plant communities along the construction limits, but will create a drastic "edge effect" along the line, impacting the interior forest for as much as 100' southeast of the project.

Impacts could be lessened by cutting short the amount of R.O.W. required from Miss Bohm's property, by changing the slope specifications to a steeper grade (and reinforcing the resultant slope face), or by construction of the line by placing it in a 30' trench (depth) rather than changing the grade (don't know if this is feasible from an engineering standpoint). Whichever means is used to construct the line will result in an impact to the natural area. I feel that this project will need further attention and more cooperation between our staff and the City of Edwardsville. Mr. Juneau stressed that they are willing to work with us on the issues.

According to Mr. Juneau, the City has already obtained construction permits from I.E.P.A. The City hopes to let bids on the project by July 15, 1981. We haven't much time to work out the particulars.

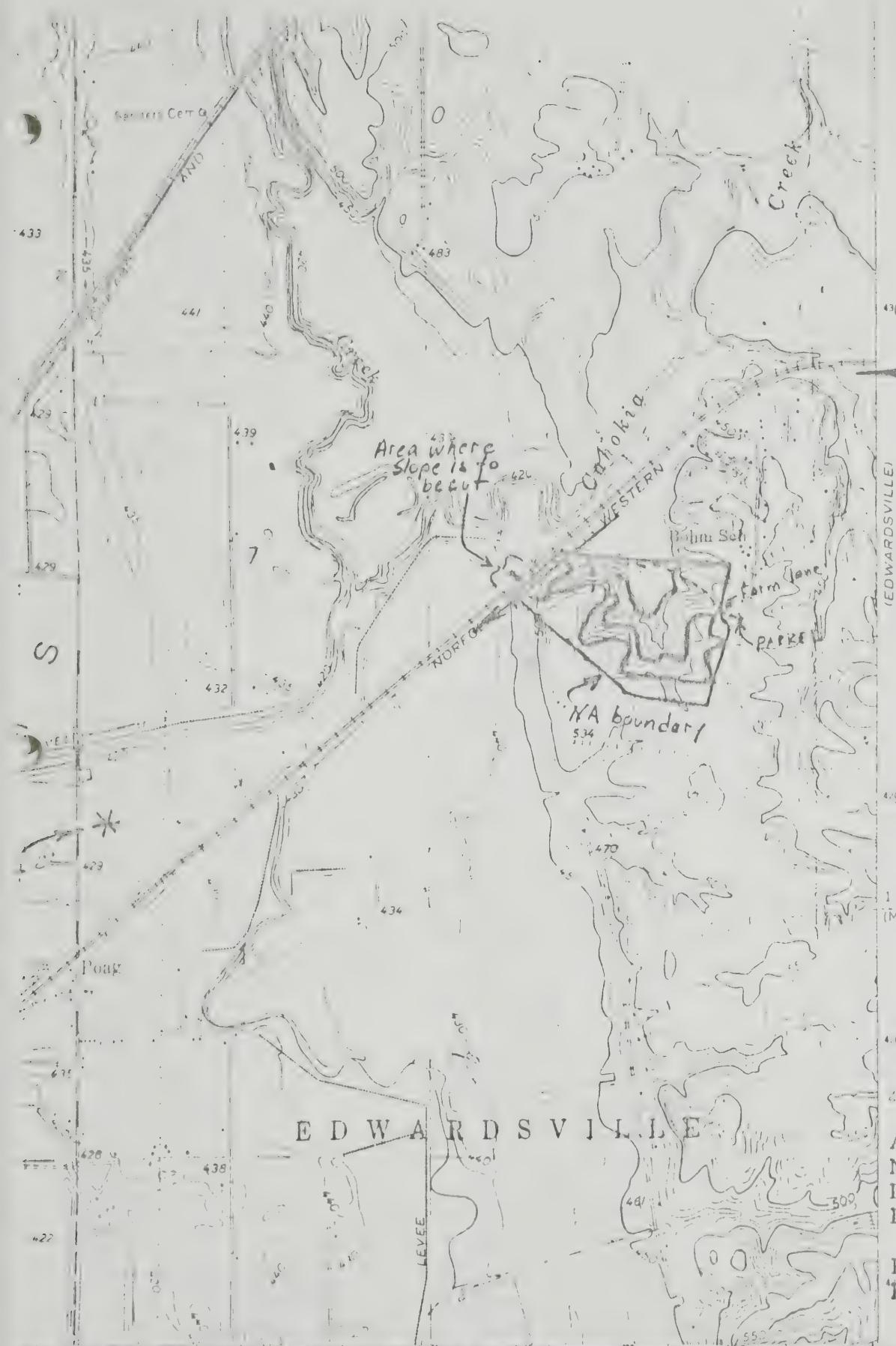
Judy Faulkner has been negotiating with Miss Bohm for the past two years to get her to dedicate the woods as a nature preserve, under her (private) ownership. Miss Bohm has proven to be very indecisive, but just recently agreed to dedicate the western (more or less) 20 acres, apparently to protect the site from the proposed sewer line project. I looked at that 20 acres and believe it not to contain a sufficient, manageable (or protectible) tract. Judy and I agree that the best approach is for her to stress the importance of dedicating the entire tract to prevent future disturbances, or to consider gifting or selling the woods to a public agency (SIU-Edwardsville is very close to the woods and would be an ideal owner-manager).

We would be better able to take a stand on the project if we would be assured that a manageable natural area is proposed for dedication. However, we should still commit to working with the City to regulate, in some way, the project impacts. We can do so through our current programs of Environmental Assessment (3560) and Private Lands (3522 and 3532).

ps

cc Dave Cooper
Carl Becker
Judy Faulkner, INPC

Judy taukner

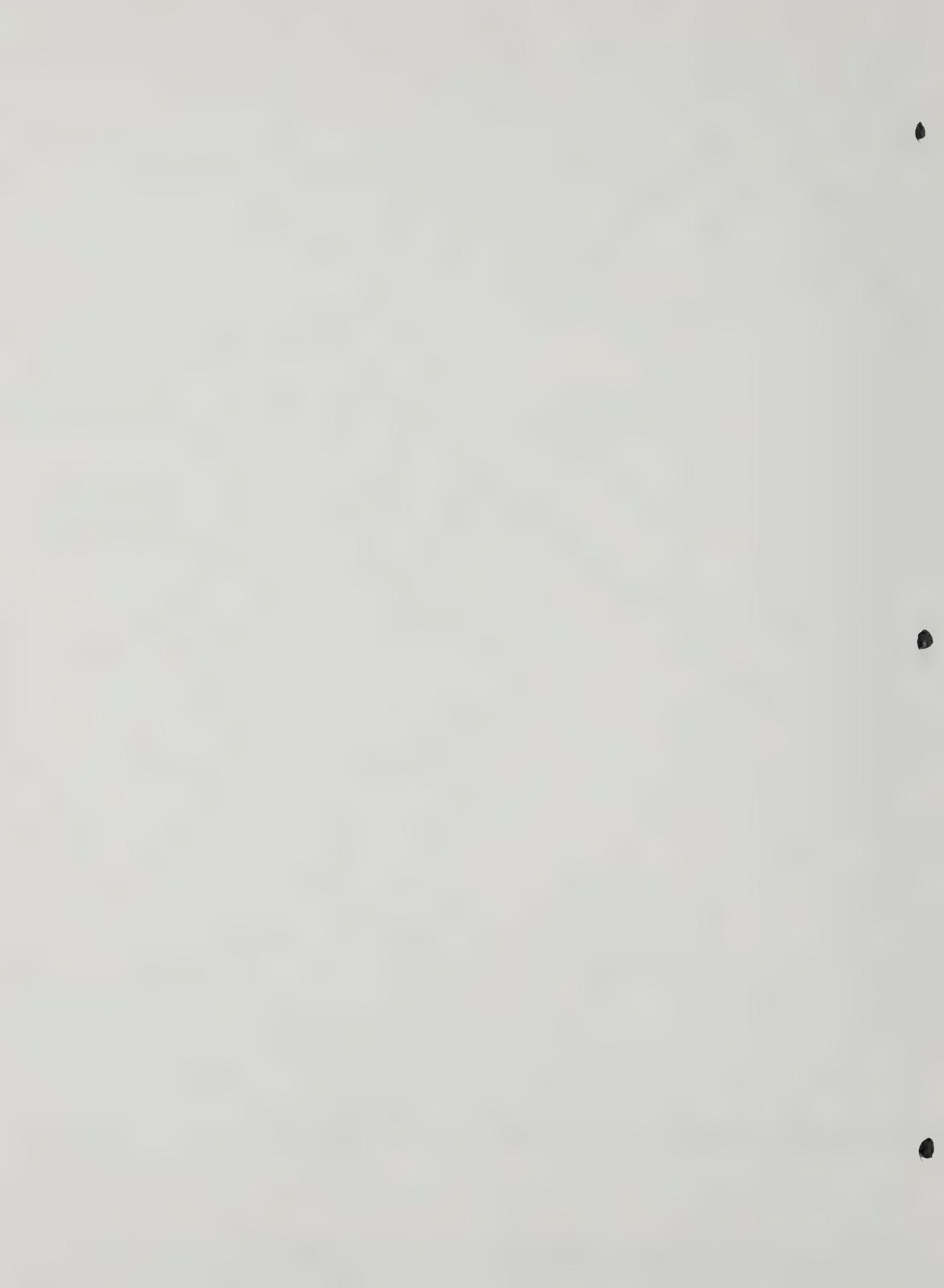


Sewer line to extend along RR front and treatment plant to site of new one

Madison #5
Bohm Woods
(priv.)

1 080 000 FEET
(MO.)

Andy West
Natural Heritage Biologist
Illinois Department of Conservation
Division of Forest Resources and
Natural Heritage
P.O. Box D
Benton, Illinois 62812



Annotations

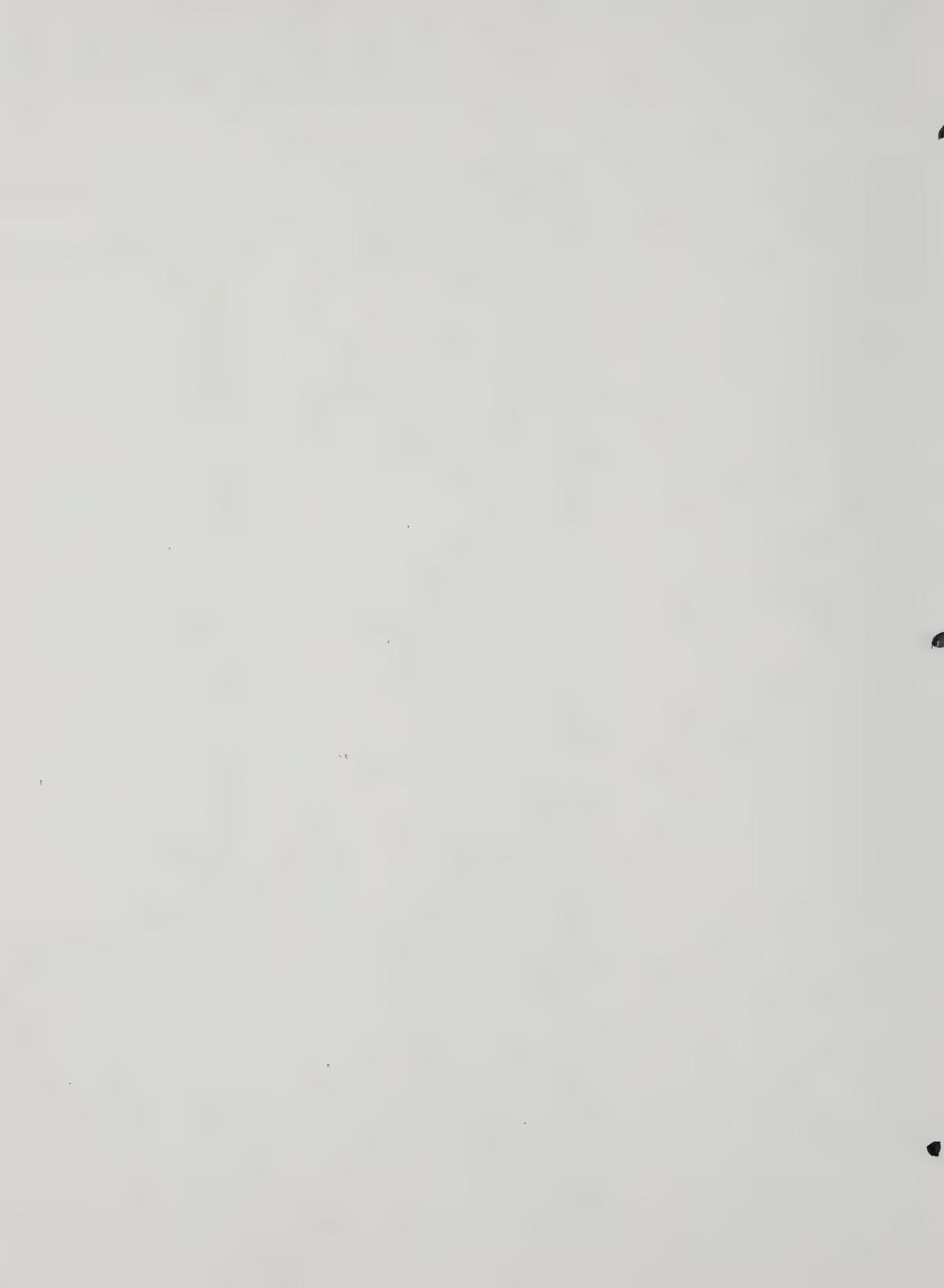
1. Rare
2. Occasional
3. Common
4. Abundant
5. Very Abundant

Acer drummondii
~~4~~ *Acer negundo*
~~—~~ *Acer barbatum*
~~—~~ *Acer rubrum*
~~—~~ *Acer saccharinum*
~~3~~ *Acer saccharum*
~~—~~ *Aesculus glabra*
~~—~~ *Ailanthus altissima*
~~—~~ *Amelanchier arborea*
~~—~~ *Amorpha fruticosa*
~~—~~ *Ampelopsis cordata*
~~—~~ *Aralia spinosa*
~~—~~ *Arundinaria gigantea*
~~5~~ *Asimina triloba*
~~—~~ *Betula nigra*
~~—~~ *Bignonia capreolata*
~~—~~ *Campsis radicans*
~~—~~ *Carpinus caroliniana*
~~2~~ *Carya cordiformis*
~~—~~ *Carya glabra*
~~2~~ *Carya illinoensis*
~~—~~ *Carya laciniosa*
~~—~~ *Carya ovalis*
~~—~~ *Carya ovata*
~~—~~ *Carya texana*
~~—~~ *Carya tomentosa*
~~—~~ *Carya*
~~—~~ *Ceanothus americanus*
~~—~~ *Celastrus scandens*
~~—~~ *Celtis laevigata*
~~F~~ *Celtis occidentalis*
~~—~~ *Celtis tenuifolia*
~~—~~ *Cephalanthus occidentalis*
~~2~~ *Cercis canadensis*
~~—~~ *Cornus drummondii*
~~—~~ *Cornus florida*
~~—~~ *Cornus foemina*
~~I~~ *Cornus obliqua*
~~—~~ *Cornus racemosa*
~~—~~ *Cornus*
~~—~~ *Corylus americana*
~~—~~ *Crataegus crus-galli*
~~—~~ *Crataegus mollis*
~~—~~ *Crataegus*
~~—~~ *Diospyros virginiana*
~~—~~ *Eucrymus atropurpureus*
~~—~~ *Euonymus fortunei (exotic)*
~~—~~ *Fagus grandifolia*
~~I~~ *Fraxinus americana*
~~—~~ *Fraxinus lanceolata*
~~—~~ *Fraxinus pennsylvanica*
~~—~~ *Fraxinus tomentosa*
~~—~~ *Forestiera acuminata*

~~—~~ *Gleditsia triacanthos*
~~—~~ *Gleditsia aquatica*
~~I~~ *Gymnocladus dioicus*
~~2~~ *Hydrangea arborescens*
~~—~~ *Hypericum spathulatum*
~~—~~ *Ilex decidua*
~~I~~ *Juglans cinerea*
~~I~~ *Juglans nigra*
~~5~~ *Lindera benzoin*
~~—~~ *Liquidambar styraciflua*
~~—~~ *Liriodendron tulipifera*
~~2~~ *Lonicera japonica (exotic)*
~~—~~ *Lonicera prolifera*
~~I~~ *Maclura pomifera (exotic)*
~~—~~ *Magnolia acuminata*
~~—~~ *Malus ioensis*
~~—~~ *Morus alba*
~~—~~ *Morus rubra*
~~—~~ *Nyssa aquatica*
~~—~~ *Nyssa sylvatica*
~~—~~ *Ostrya virginiana*
~~4~~ *Parthenocissus quinquefolia*
~~3~~ *Platanus occidentalis*
~~—~~ *Populus deltoides*
~~—~~ *Populus heterophylla*
~~—~~ *Prunus americana*
~~—~~ *Prunus hortulana*
~~I~~ *Prunus serotina*
~~—~~ *Prunus*
~~—~~ *Ptelea trifoliata*
~~I~~ *Quercus alba*
~~—~~ *Quercus bicolor*
~~—~~ *Quercus coccinea*
~~—~~ *Quercus falcata*
~~—~~ *Quercus imbricaria*
~~—~~ *Quercus lyrata*
~~2~~ *Quercus macrocarpa*
~~—~~ *Quercus marilandica*
~~—~~ *Quercus michauxii*
~~—~~ *Quercus muhlenbergii*
~~—~~ *Quercus pagodaeifolia*
~~—~~ *Quercus palustris*
~~3~~ *Quercus rubra*
~~—~~ *Quercus shumardii*
~~—~~ *Quercus stellata*
~~I~~ *Quercus velutina*
~~—~~ *Rhamnus caroliniana*
~~—~~ *Rhus aromatica*
~~—~~ *Rhus copallina*
~~—~~ *Rhus glabra*
~~2~~ *Rhus radicans*
~~—~~ *Ribes cynosbati*
~~—~~ *Ribes missouriense*

Area Name Kishmawoods - R.D.W.
 County Madison
 Section 8 T 4N R 8W
 Topo Map Wood River 75' along RR Rd.
 Investigator West & F. Miller
 Date 8 May 1981

~~—~~ *Robinia pseudoacacia*
~~—~~ *Rosa carolina*
~~—~~ *Rosa setigera*
~~—~~ *Rosa*
~~—~~ *Rubus allegheniensis*
~~—~~ *Rubus argutus*
~~—~~ *Rubus flagellaris*
~~—~~ *Rubus occidentalis*
~~—~~ *Rubus pensylvanicus*
~~I~~ *Rubus*
~~—~~ *Salix amygdaloides*
~~—~~ *Salix interior*
~~—~~ *Salix nigra*
~~—~~ *Salix rigida*
~~—~~ *Salix*
~~2~~ *Sambucus canadensis*
~~4~~ *Sassafras albidum*
~~2~~ *Smilax bona-nox sp.*
~~—~~ *Smilax glauca*
~~—~~ *Smilax hispida*
~~—~~ *Smilax rotundifolia*
~~4~~ *Staphylea trifolia*
~~—~~ *Symporicarpus orbiculatus*
~~—~~ *Taxodium distichum*
~~4~~ *Tilia americana*
~~—~~ *Ulmus alata*
~~I~~ *Ulmus americana*
~~3~~ *Ulmus rubra*
~~—~~ *Vaccinium vaccillans*
~~—~~ *Vaccinium arboreum*
~~—~~ *Vaccinium*
~~—~~ *Viburnum recognitum*
~~—~~ *Viburnum rufidulum*
~~—~~ *Viburnum prunifolium*
~~—~~ *Vitis aestivalis*
~~—~~ *Vitis cinerea*
~~—~~ *Vitis riparia*
~~—~~ *Vitis vulpina*
~~—~~ *Wisteria macrostachya*
~~—~~ *Xanthoxylum americanum*







Madison Co. #5 80hm Woods

Shrubs and woody vines along proposed
sewerline right-of-way (stands 1 and 2)

Upland

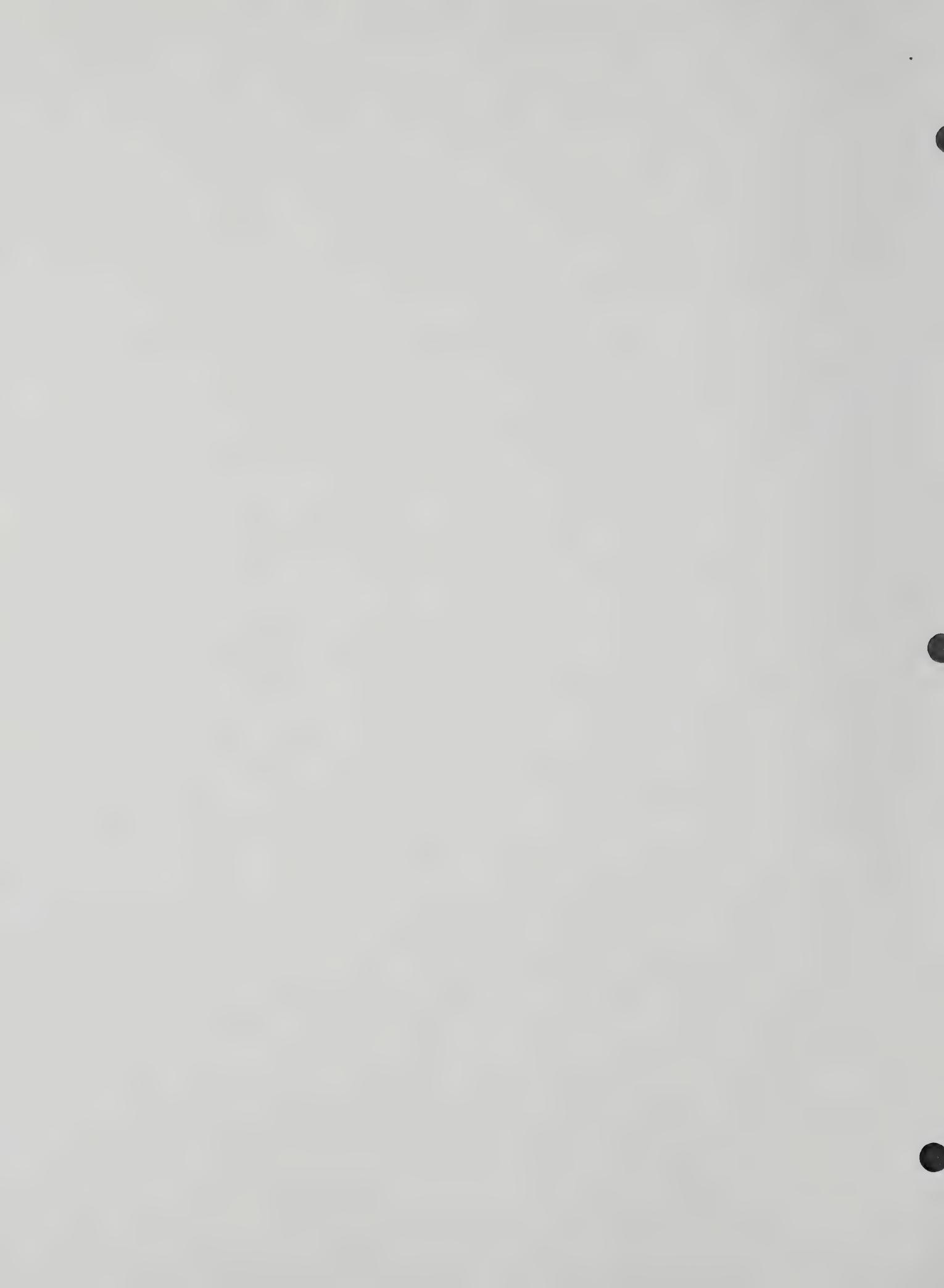
3	<i>Acer saccharum</i>	1	<i>Smilax sp</i>
2	<i>Lonicera japonica</i> (exotic)	2	<i>Cercis canadensis</i>
4	<i>Sassafras albidum</i>	1	<i>Cornus obliqua</i>
2	<i>Parthenocissus quinquefolia</i>	2	<i>Fraxinus americanus</i>
5	<i>Asimina triloba</i>		
2	<i>Rhus radicans</i>		

flood plain

4	<i>Staphlea trifolia</i>
3	<i>Parthenocissus quinquefolia</i>
2	<i>Sambucus canadensis</i>
5	<i>Lindera benzoin</i>
3	<i>Celtis occidentalis</i>
3	<i>Acer negundo</i>

Annotations:

1. Rare
2. Occasional
3. Common
4. Abundant
5. Very abundant



Ferns and herbaceous species along proposed
Sewerline right-of-way (sites 1 and 2)Upland

2 *Asarum canadense* (wild ginger)
 3 *Polygonatum commutatum* (Solomon's Seal)
 3 *Smilacina racemosa* (false Solomon's seal)
 1 *Passiflora lutea* (small passion-flower)
 1 *Verbesina alternifolia* (yellow ironweed)
 3 *Podophyllum peltatum* (mayapple)
 3 *Viola sp.* (violet)
 3 *Viola striata* (white violet)
 2 *Phacelia purshii* (Miami mist)
 3 *Urtica dioica* (stinging nettle)
 3 *Arisaema triphyllum* (Jack-in-the-Pulpit)
 2 *Dentaria laciniata* (toothwort)
 2 *Smilacina stellata* (small false Solomon's seal)
 2 *Trillium recurvatum* (wake robin)
 3 *Sanguinaria canadensis* (bloodroot)
 2 *Silene stellata* (starry campion)
 2 *Actaea pachypoda* (doll's-eyes)
 4 *Cystopteris fragilis* (fragile fern)
 1 *Sanicula gregaria* (black snakeroot)
 2 *Poa sp.* (bluegrass)
 3 *Phlox divaricata* (blue phlox)
 3 *Impatiens biflora* (spotted touch-me-not)
 4 *Galium concinnum* (shining bedstraw)
 3 *G. aparine* (goose grass)
 1 *Perilla frutescens* (beefsteak plant) (exotic)
 1 *Oenothera lamarckiana* (evening-primrose)



Upland (cont.)

- 2. *Hydrangea arborescens* (wild hydrangea)
- 2. *Lactuca canadensis* (wild lettuce)

Flood plain

- 4. *Cystopteris fragilis* (fragile fern)
- 4. *Urtica dioica* (stinging nettle)
- 2. *Asarum canadense* (wild ginger)
- 3. *Viola sp.* (blue violet)
- 4. *Galium aparine* (goose grass)
- 4. *Impatiens biflora* (spotted touch-me-not)
- 2. *Phlox divaricata* (blue phlox)
- 2. *Menispermum canadense* (moonseed)
- 1. *Eupatorium rugosum* (white snakeroot)
- 2. *Phacelia purshii* (Miami mist)

Annotations:

1. Rare
2. Occasional
3. Common
4. Abundant
5. Very Abundant

Illinois Nature Preserves Commission
January 10, 1981
Steve Packard

PROPOSAL FOR DEDICATION

O'HARA WOODS

ROMEovILLE, ILLINOIS

INPC 84
Item 14

SUMMARY AND RECOMMENDATIONS

O'Hara Woods is a relatively undisturbed mesic prairie grove on the edge of the Grand Prairie but representative of the forests of the Northeastern Morainal Division of Illinois. The land is owned by the City of Romeoville and managed by the Romeoville Department of Recreation. It is recommended that 70 acres be dedicated as an Illinois Nature Preserve and 10 acres be dedicated as buffer for use for education, scientific study, hiking and other passive recreation.

INTRODUCTION

O'Hara Woods is a mature mesic prairie grove of the Morainal Section of the Northeastern Morainal Natural Division of Illinois (Figure 1). The woods was rated as a "notable" area, of regional significance, by the recent Illinois Natural Areas Inventory.

In presettlement times the woods was an island of trees in the expanse of marsh and prairie which covered most of southwest Cook County, DuPage County and northwest Will County. Protection from prairie fire afforded this site by surrounding topographic features allowed development of a rich forest community. Examination of the original public land survey records from 1821 show that the grove persists in its approximate original dimensions (Figure 2).

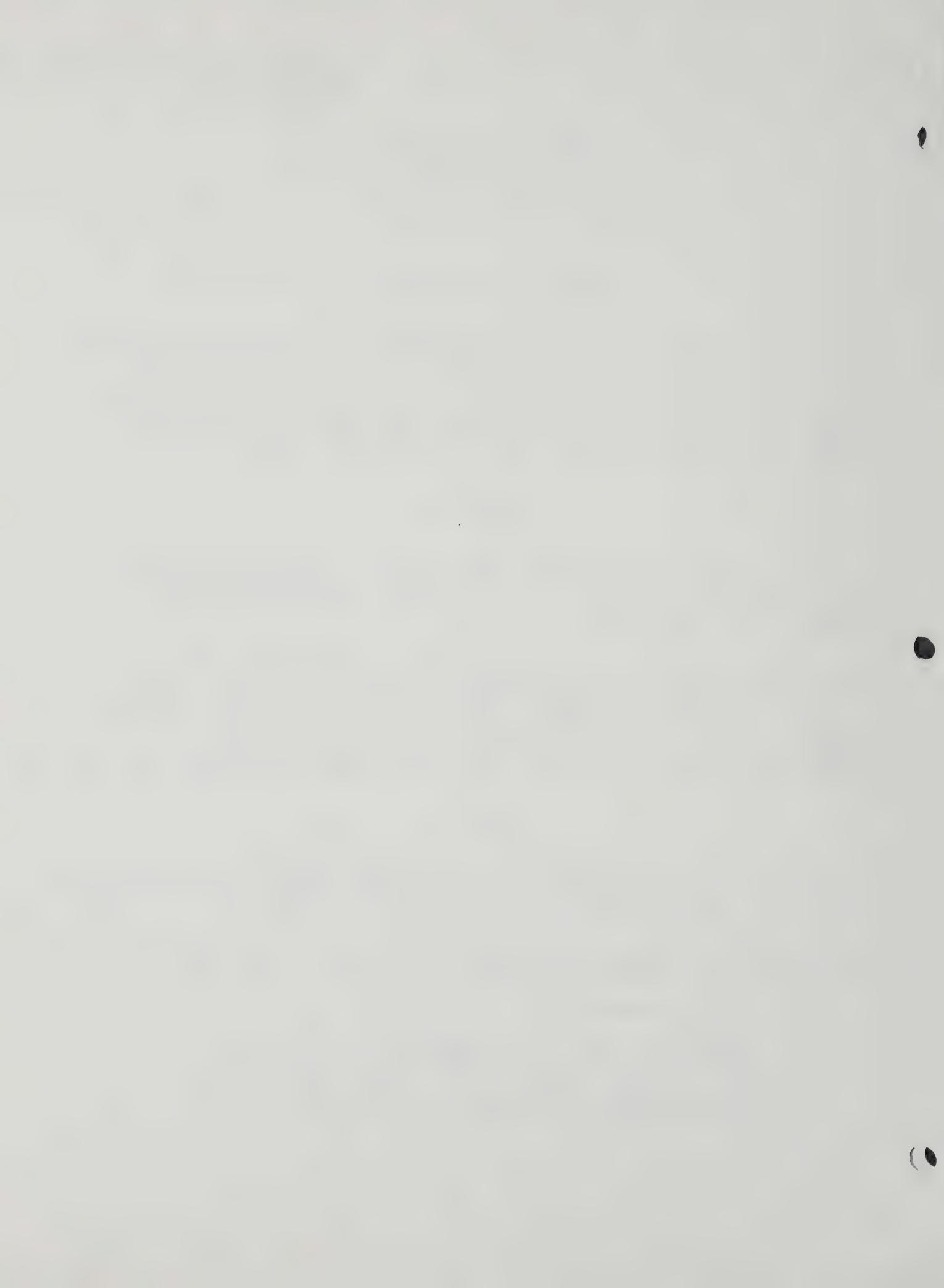
LOCATION

O'Hara Woods is located (Figure 3) on the west edge of the Village of Romeoville (population 15,336) in northwestern Will County, north of Romeoville Road (135th street) and west of Joliet Road (Illinois Route 53).

The woods is part of a larger recreational complex owned by the City of Romeoville and managed by the Romeoville Department of Recreation.

The property proposed for dedication is described as follows:

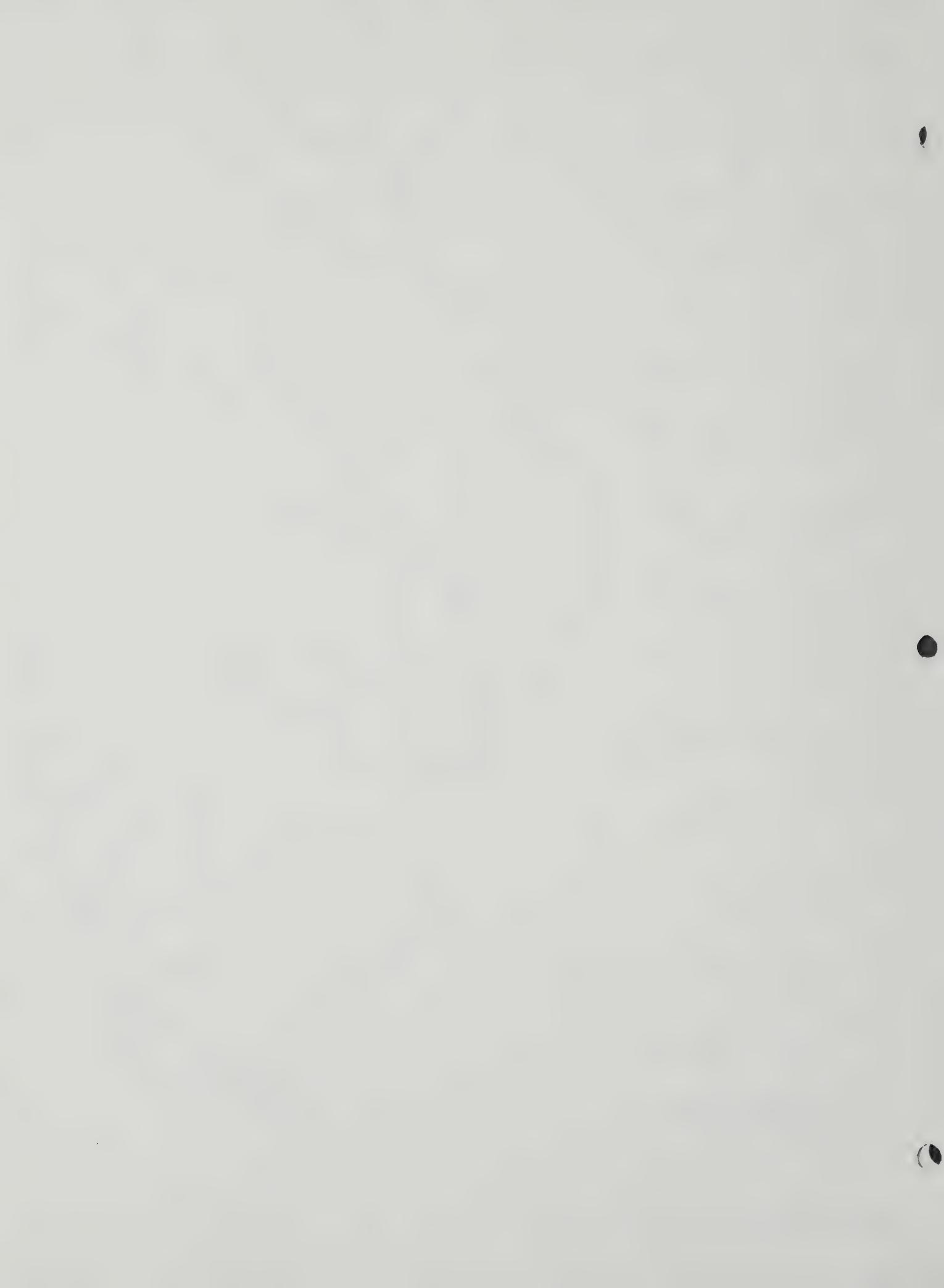
The northeast quarter, the south half of the northeast quarter of the southeast quarter, and the north quarter of the southeast quarter of the southeast quarter, all in Section 32, Township 37 North, Range 10 East of the



- 1 Wisconsin Driftless Division
- 2 Rock River Hill Country Division
 - a Freeport Section
 - b Oregon Section
- 3 Northeastern Morainal Division
 - a Morainal Section
 - b Lake Michigan Dunes Section
 - c Chicago Lake Plain Section
 - d Winnebago Drift Section
- 4 Grand Prairie Division
 - a Grand Prairie Section
 - b Springfield Section
 - c Western Section
 - d Green River Lowland Section
 - e Kankakee Sand Area Section
- 5 Upper Mississippi River and Illinois River Bottomlands Division
 - a Illinois River Section
 - b Mississippi River Section
- 6 Illinois River and Mississippi River Sand Areas Division
 - a Illinois River Section
 - b Mississippi River Section
- 7 Western Forest-Prairie Division
 - a Galesburg Section
 - b Carlinville Section
- 8 Middle Mississippi Border Division
 - a Glaciated Section
 - b Driftless Section
- 9 Southern Till Plain Division
 - a Effingham Plain Section
 - b Mt Vernon Hill Country Section
- 10 Wabash Border Division
 - a Bottomlands Section
 - b Southern Uplands Section
 - c Vermilion River Section
- 11 Ozark Division
 - a Northern Section
 - b Central Section
 - c Southern Section
- 12 Lower Mississippi River Bottomlands Division
 - a Northern Section
 - b Southern Section
- 13 Shawnee Hills Division
 - a Greater Shawnee Hills Section
 - b Lesser Shawnee Hills Section
- 14 Coastal Plain Division
 - a Cretaceous Hills Section
 - b Bottomlands Section



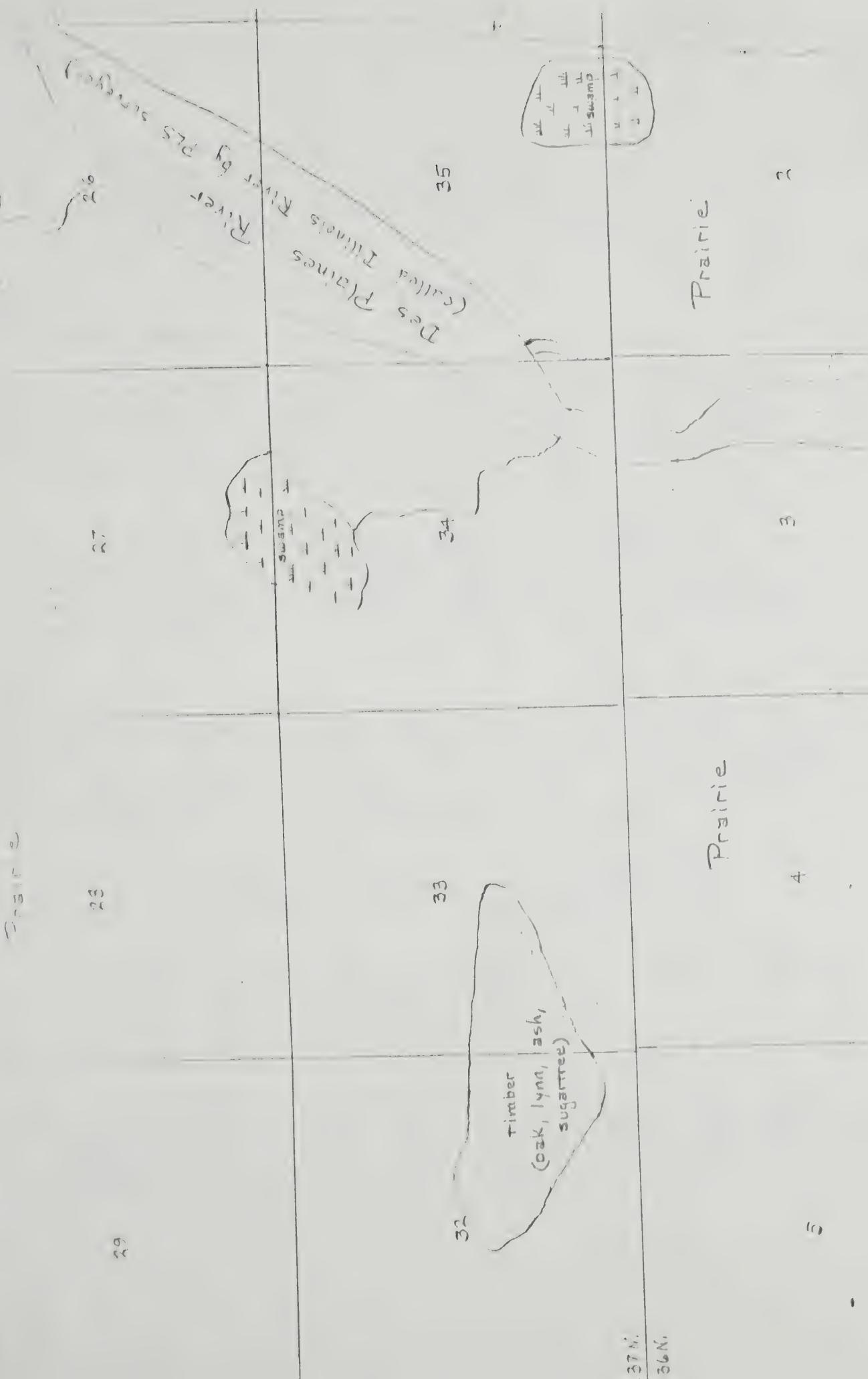
FIGURE 1. THE NATURAL DIVISIONS OF ILLINOIS.



STUBBLES OF SENECAVILLE
IN WIS. COUNTY AS
INTERPRETED FROM THE PLS NOTES
AND PLATS

— M. D. Hutchison

Figure 2





Third Principal Meridian; also the southern two-thirds of the southeast quarter, and eastern one-third of the northern one-third of the southeast quarter, of Section 33, Township 37 North, Range 10 East of the Third Principal Meridian all in Will County, Illinois.

NATURAL CHARACTER

Geology and topography

The woods lie on a north-facing slope of the Rockdale Moraine on the edge of an ancient sluiceway that carried meltwater from the Valparaiso Moraine and glacial Lake Chicago. A deep ravine cuts across the southwest corner of the woods. Springs and seepage of groundwater keep the ravine and north-facing slope unusually moist. Relief ranges from 618 feet m.s.l. at the edge of the slough to 660 feet m.s.l. -- a difference of 40 feet.

The woods lie over glacial drift deposited in the Rockdale Moraine. The drift is part of the Yorkville Till Member and is dominantly gray clayey till with an abundance of small pebbles. The till was laid down during the Woodfordian substage of Wisconsinan stage of glaciation 12,500 to 22,000 years ago. Peat was formed in the old sluiceway in Lily Cache Slough during more recent geologic time.

Soils

At least five soil types make up the substrate of O'Hara Woods. Most of the western portion of the woods and the central area is comprised of Miami silt loam. This soil is characteristic of hardwood forests in regions that are gently rolling, with slopes of 2 to 18 percent. Miami silt loam is usually low in organic matter, moderately acid and high in water holding capacity. The glacial till underlying the soil is alkaline.

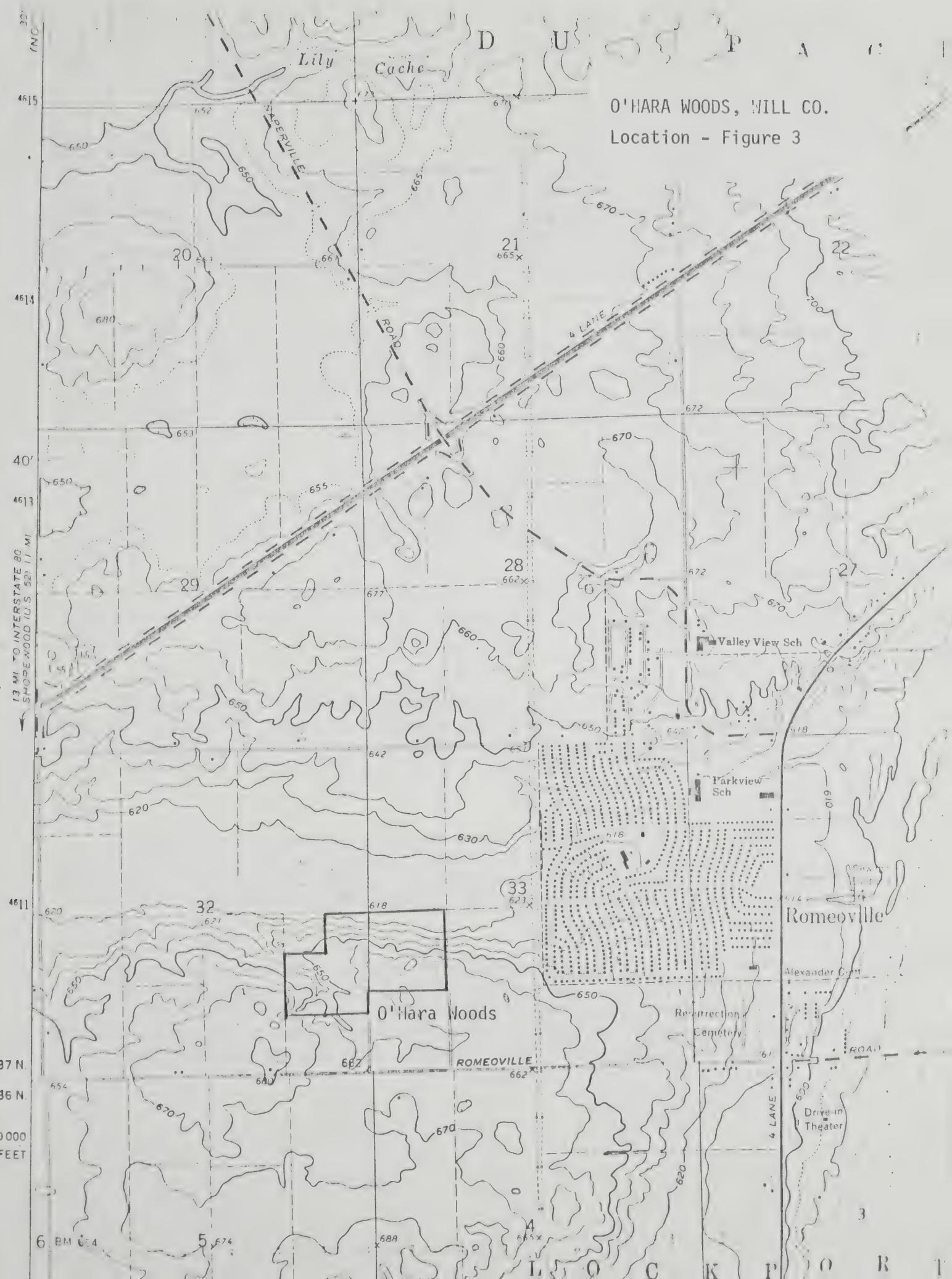
The northwestern portion of the woods lies on Morley silt loam. This too formed under deciduous forest, but under conditions where the topography was less sloping. It is low in organic material and has a high water holding capacity.

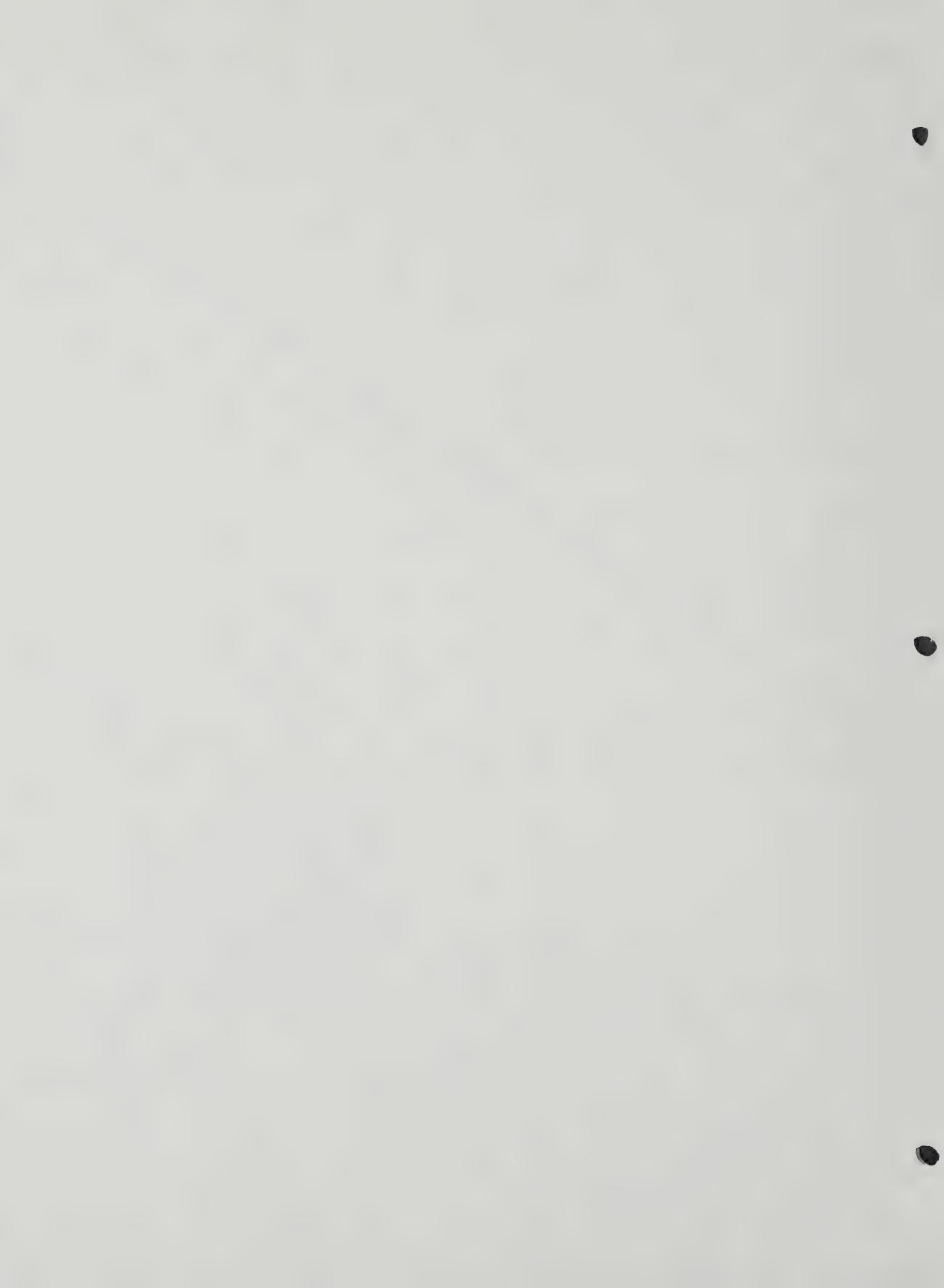
Most of the soils around the woods are Saybrook silt loam and Elliott silt loam. These soils were formed under tallgrass prairie.

Along the northern edge of the proposed preserve are areas of Lena muck. This soil was formed from decayed plant materials in Lily Cache Slough.

Complex biological cycles of the forest soils itself are a key feature of the woods. The soil is rich in soil arthropods, earthworms, fungi and other decomposers which actively turn leaf litter into nutrients that are cycled upwards into the trees. The speed and vigor of this process are a good indication of the overall health of the forest.







Vegetation

Southwest of the ravine a forest of bur oak, hawthorne and white ash with a brushy understory indicate that this was formerly savanna. When this grove stood exposed in the prairie, fires would sweep in from the southwest destroying woody vegetation other than the thick-barked bur oaks. Shading and grazing accounts for the lack of prairie plants which would have comprised the understory. The rich flora of the main part of the woods has been gradually invading this area.

Northeast of the ravine and in the ravine itself is rich mesic forest. This area was protected from fire by the wet soils, the north-facing aspect and the steepness of the ravine itself. This fact accounts for the presence of many large fire-intolerant maples. Here the dominant species are sugar maple, basswood, red oak, blue ash and walnut. Bur oak occurs in the flood-plain and near the outer edges of the grove.

The spring flora of the forest floor is particularly rich and diverse including such species as broad-leaved puccoon (*Lithospermum latifolium*), squirrel corn, blue-eyed mary and bluebells. Fire pink is present in summer. Seepage areas along the base of the slopes support skunk cabbage and marsh marigold.

On the flatter uplands water stands in shallow pools in spring. Vegetation here includes bur oak, blue ash, purple spring cress and false mermaid weed.

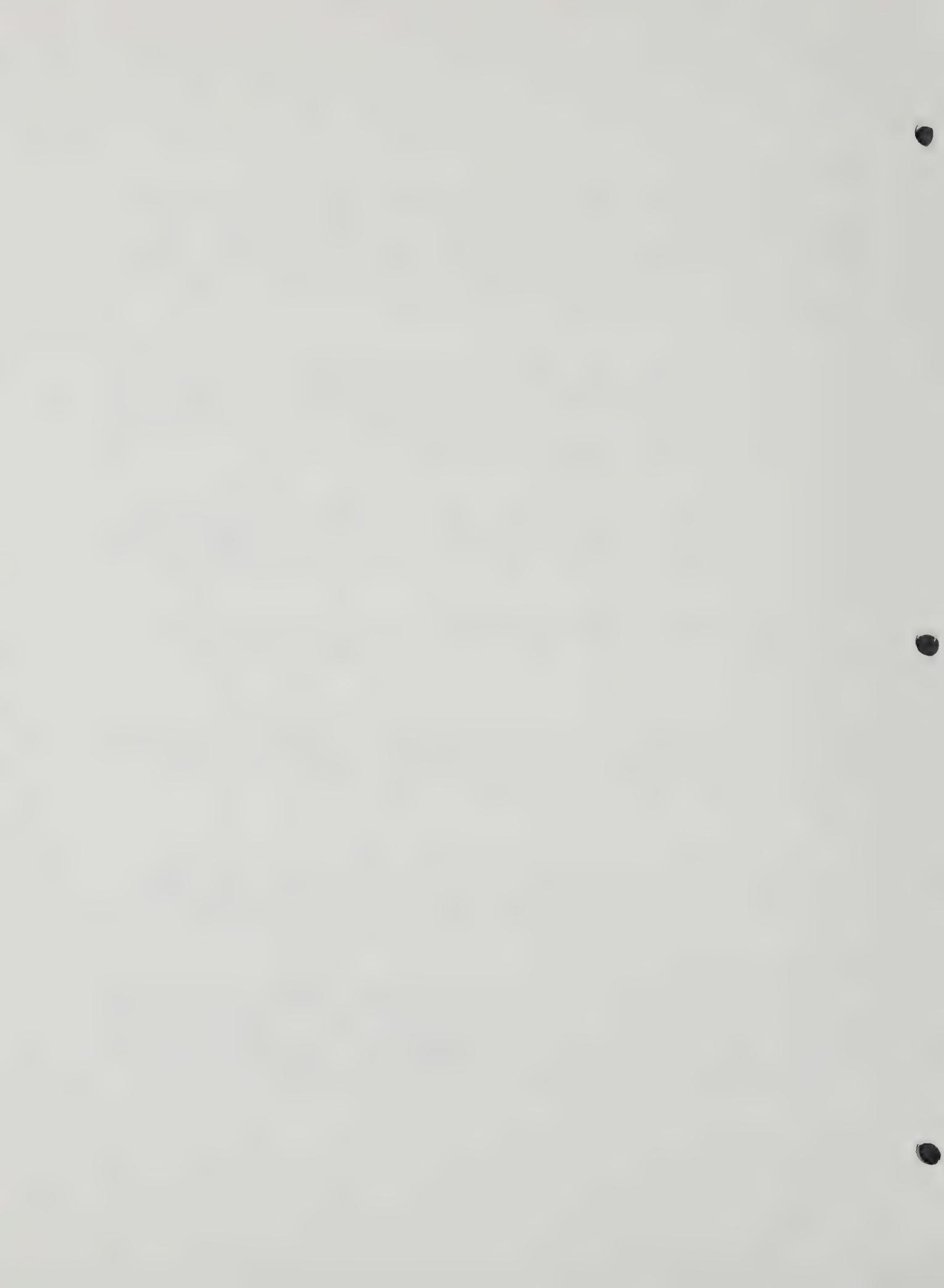
The forest extends to the base of the slope and abruptly stops on the edge of a marsh - a remnant of the once vast Lily Cache Slough. The marsh has been degraded by past disturbances, but still retains many typical marsh species and adds to the diversity of the site.

Fauna

No studies have been done on the animals found in the woods, but it is known to have species common to forest in the region, such as white-tailed deer, raccoon, red fox, great-horned owl and a variety of song birds. In spring Lily Cache Slough attracts flocks of migrating waterfowl.

Use and disturbance

Undoubtedly the woods was used to provide fuel and lumber for the early settlers on the surrounding prairies. The woods was also undoubtedly open to grazing livestock until the land was settled and farms fenced. The woods had been owned and protected by the Alexander family for some time before it was purchased for preservation by the Village of Romeoville in 1976.



During World War II roads were cut through the woods and widely separate concrete structures erected for storage of dynamite. Twelve concrete bases are still present in the forest.

A pavillion and parking lot were erected by the Village in the southwest corner of the woods and a sewer line was cut through the woods in 1979.

Trespass by motorcycles at times is a serious disturbance, both to the forest floor and to the more sensitive animal species. Dead wood has been taken out of the forest for use as firewood.

MANAGEMENT AND PROTECTION

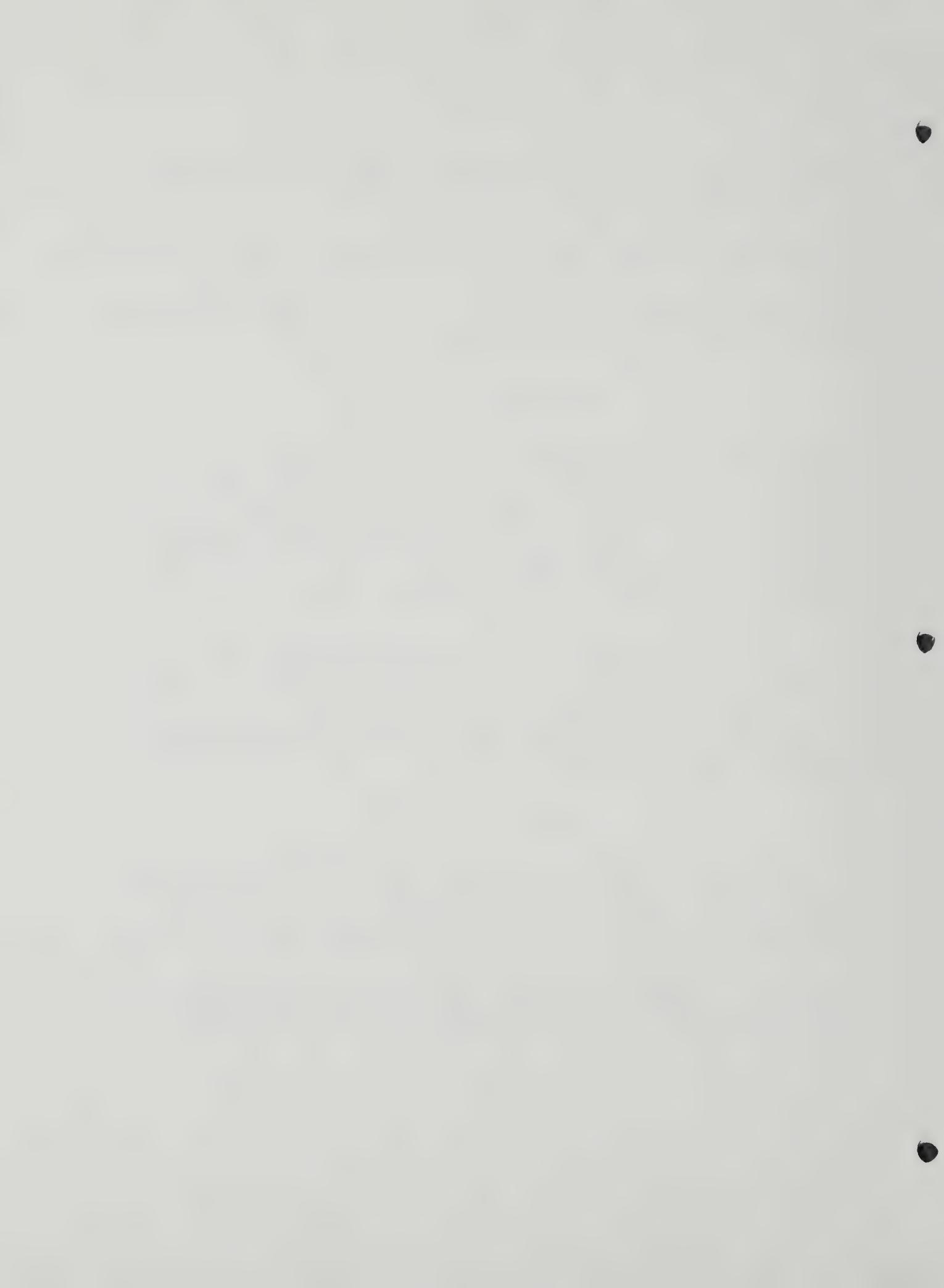
The vehicle trails should all be abandoned and allowed to revert to natural vegetation (except for access to the sewer line right-of-way as necessary). A reduced network of self-maintaining footpaths should be retained, keeping in mind the danger of erosion on the steeper slopes. The remaining trails should be posted closed and/or piled with brush until vegetation recovers. A public relations and education effort would be helpful in conveying to the community a sense of the significance and sensitivity of the woods. Policing, fencing, or other measures may be advisable at some points if motorcycle trespass continues.

The woods is bordered on the south by public land used for active recreation. This includes the headquarters of the Recreation Department. A swimming lake and bath house adjoins the woods to the east. The woods is bordered by farmland and marsh to the north and west. About one-third of the grove, lying west of the Village property is still in private hands. It would make a valuable addition to the preserve as would some portion of Lily Cache Slough to the north (Figure 4).

NATURE PRESERVE VALUES

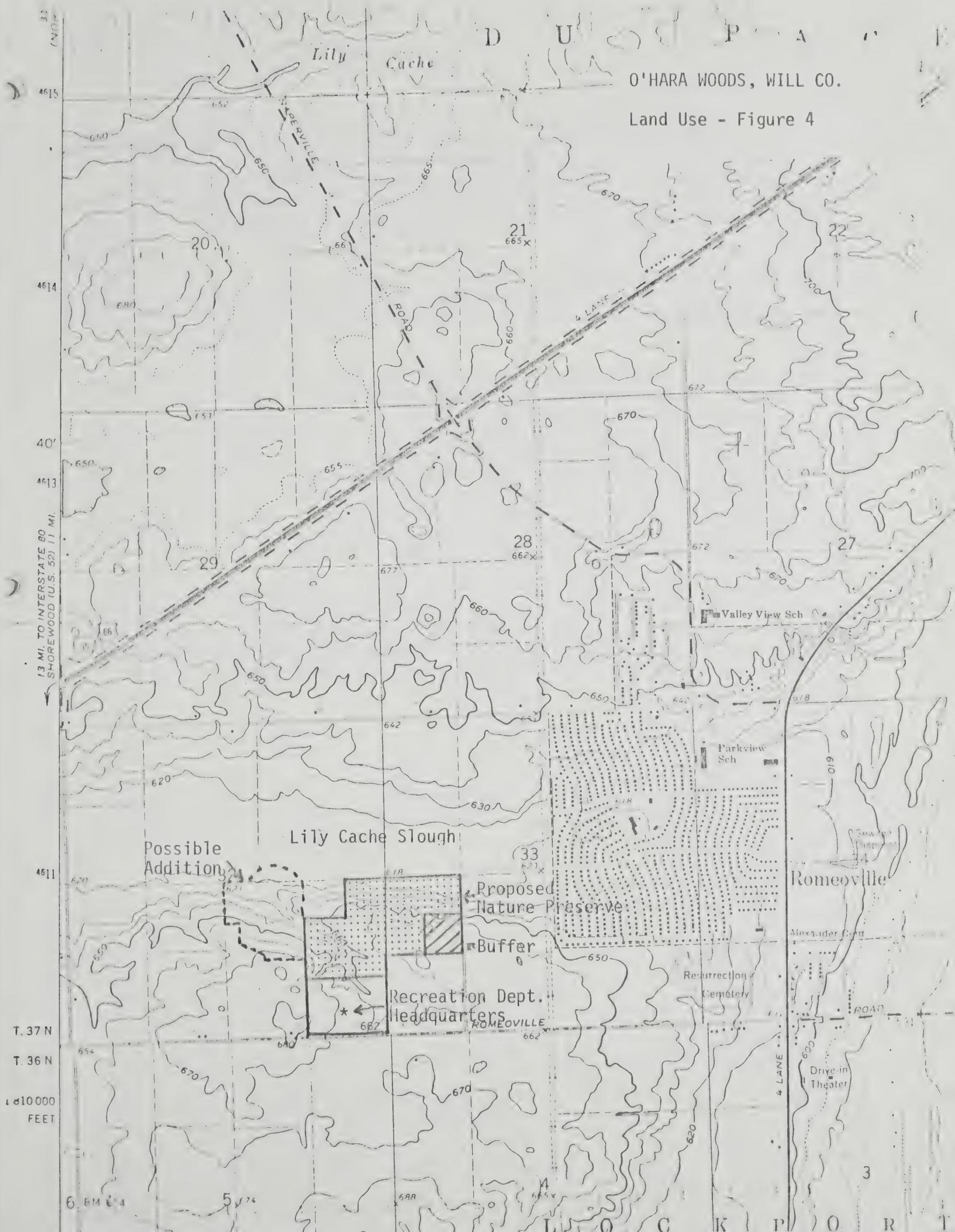
O'Hara Woods is one of the few relatively undisturbed maple prairie groves remaining in northeastern Illinois. This community type was never common because of the prevalence in presettlement times of fire, which favored oak woods and prairie. Barring fire and other disturbances, maple woodland is considered to be the climax community type for much of the area.

The site is unusual in that the present size and configuration of the grove is approximately what it was before settlement, with farms and housing today replacing the prairie which surrounded the grove at that time.



O'HARA WOODS, WILL CO.

Land Use - Figure 4

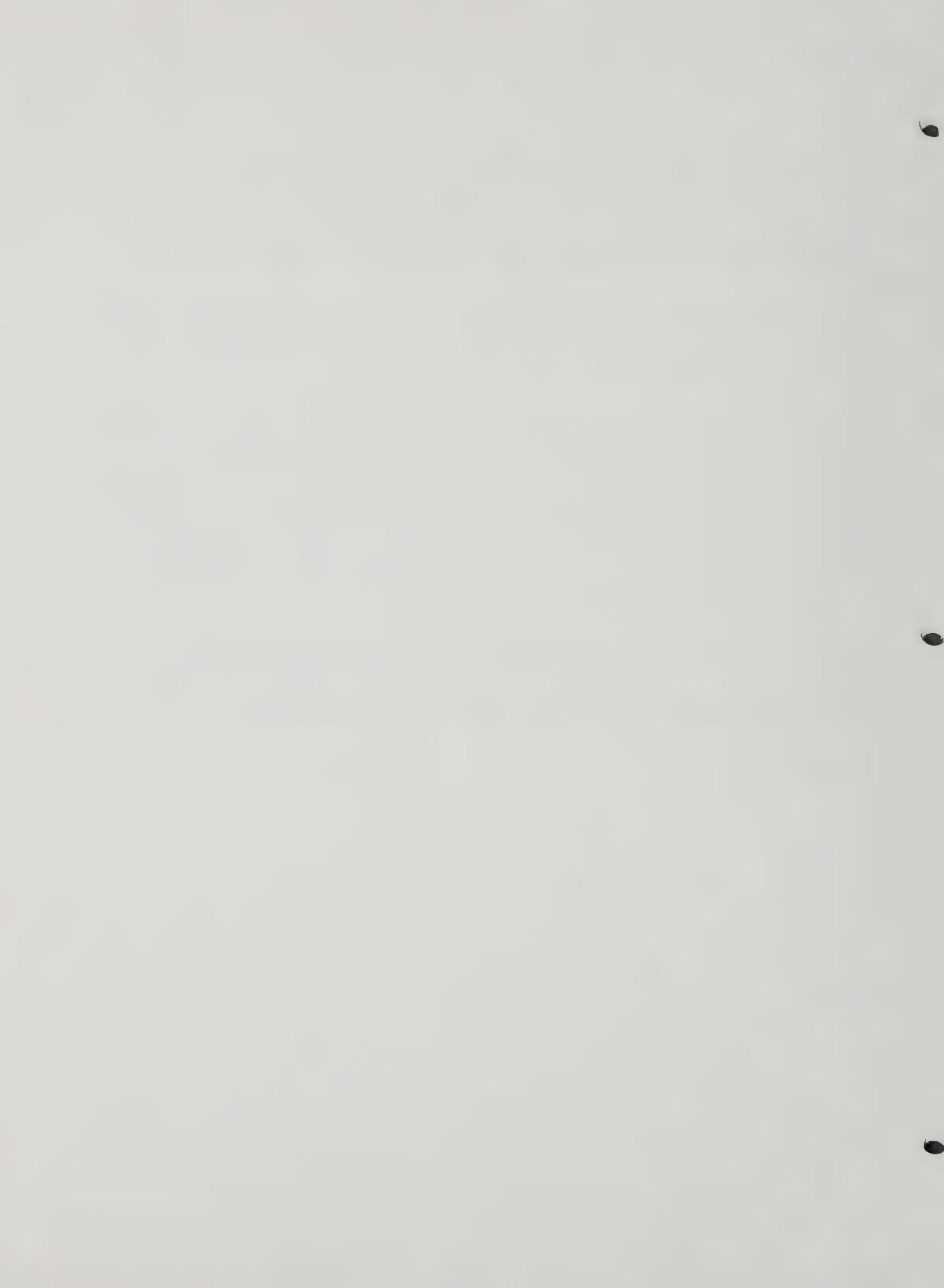


Timber has been harvested from parts of O'Hara Woods in the past. But few stumps are visible and few alien species present, indicating that such cutting has not been recent and substantial recovery has occurred. No specific evidence of grazing is present. The woods has a diversity of species and an abundance of uncommon species in the flora. Floyd Swink, author of Plants of the Chicago Region has rated O'Hara Woods as one of the finest maple forests in the region.

O'Hara Woods is an important scientific resource and is a rare historic reminder of the prairie groves which so impressed the early settlers. It is a potentially important cultural resource which would benefit by being reserved and managed as such.

The Illinois Nature Preserves System was established in 1963 to provide permanent protection for ecologically significant natural lands. The Act (Illinois Revised Statutes 1977, Chapter 105, Section 465-Attachment A) establishing the system provides that an area dedicated as a nature preserve is "put to its highest, best and most important use for public benefit" and the use cannot be changed except after a finding of "imperative public necessity" and with the approval of the Governor and the Illinois Nature Preserves Commission. Uses of nature preserves are limited, dependent on the nature of the area and the stipulations of dedication, and are managed to maintain their natural qualities (Attachment B).

There are currently no other prairie groves in the Northeastern Morainal Division dedicated as nature preserves. It is proposed that the City of Romeoville dedicate 70 acres of O'Hara Woods as an Illinois nature preserve, and dedicate a 10-acre tract adjoining the natural area which includes the picnic pavillion and mowed area as buffer to the nature preserve.



DECLARATION AND AGREEMENT

THIS DECLARATION AND AGREEMENT is made and entered into by and between

the OWNERS of the following described area of land and the STATE OF ILLINOIS,
represented by the Illinois Department of Conservation and the Illinois Nature
Preserves Commission:

WHEREAS, the above described area contains and exhibits natural communities of
plants and animals and other natural features of exceptional scientific, educational,
and cultural value, representing the primeval natural land of Illinois; and

WHEREAS, the owners agree to preserve and protect the natural communities, features,
plants and animals of the area and will not change or alter the landscape or ecology
or otherwise disturb natural conditions of the area except in such manner as is agreed
to between the owners, the Nature Preserves Commission and Department of Conservation;

NOW, THEREFORE, in recognition of the significance of the area as a part of our
precious and diminishing natural heritage and the declared intent of the owners to
protect it, the State of Illinois hereby designates the area as an ILLINOIS NATURAL
HERITAGE LANDMARK.

The area shall be held and protected as an Illinois Natural Heritage Landmark for
so long as this declaration and agreement is in effect.

Upon request of the owners, the Nature Preserves Commission and the Department of
Conservation will develop, or assist in developing, a management plan for the area and
will provide advice and assistance to the owners on the preservation, management and
protection of the area, as necessary.

In the event that the owners propose or offer to sell or otherwise convey the area,
they will so notify the Director, Illinois Department of Conservation, 605 Stratton
Building, Springfield, IL 62706, in writing, thirty (30) days before selling or other-
wise conveying, or entering into any agreement for sale or conveyance. The owners give
to the State of Illinois or its assignees, which may be an agency of government or a
publically-supported not-for-profit charitable organization, for a period of thirty (30)
days, the right of first refusal to purchase the area for the purpose of holding and
preserving it in its natural condition for the same price for which the owners would be
willing to sell to any other person.



This declaration and agreement grants no right of access to the area to any person, except to qualified agents of the Department of Conservation and Nature Preserves Commission for the purpose of examining the condition of the area.

This declaration and agreement may be terminated by the owners or the Department of Conservation and the Nature Preserves Commission upon sixty (60) days written notice to the other party or by agreement of both parties.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this

day of _____, 19_____.

OWNERS

STATE OF ILLINOIS

Illinois Nature Preserves Commission

Illinois Department of Conservation



DESIGNATION PROCEDURE

- 1) Staff determines landowners interest in landmark designation.
- 2) Staff meet with owners and review protection and management needs, boundaries, and agreement.
- 3) The staff will write a management/protection plan for area.
- 4) If requested or needed, staff will determine responsibility for providing management/protection assistance based on time and distance, wishes of owner, type of services that are needed.
- 5) Owner signs agreement and staff sends along with written management plan to DOC for review and approval.
- 6) DOC signs agreement and sends along with plan to Nature Preserves Commission for review and approval.
- 7) Department of Conservation mails copy of signed agreement to landowner, Nature Preserves Commission, and Soil and Water Conservation District.
- 8) Department of Conservation delivers signs and certificate to landowners.
- 9) If landowner agrees, DOC notifies local newspapers, etc. about designation of area.
- 10) Staff examine area on at least an annual basis, and report on its condition.

ILLINOIS NATURAL HERITAGE LANDMARK PROGRAM

WHAT IT IS - HOW IT WORKS

OBJECTIVES

The Illinois Natural Heritage Landmark program is designed to give public recognition to private owners who protect natural areas in their own ownership, and to encourage the long-term preservation of these areas. It is a voluntary, non-regulatory program which builds on the fact that many natural areas still survive because of the intentional protection of generations of people who have owned and cherished them.

The goal is to build greater public understanding and recognition of the values of preserving natural areas and appreciation of the role of private landowners in maintaining natural areas within their ownership. The program also provides a means to monitor natural areas and to provide assistance to landowners with their management and protection.

The program is carried out on a cooperative basis by the Illinois Department of Conservation and the Illinois Nature Preserves Commission.

CRITERIA

Areas in private ownership included in the Illinois Natural Areas Inventory, or that qualify for inclusion in the Inventory, are eligible for designation as Illinois Natural Heritage Landmarks.

An area must meet one of these criteria for eligibility:

1. Have natural communities that are relatively undisturbed, so that they reflect as nearly as possible the natural condition at the time of settlement in the early 1800's.
2. Have species of animals or plants that are in danger of extirpation from Illinois.
3. Have outstanding assemblages of plants that are relicts of a past climatic period.

4. Have outstanding representatives of the State's geologic diversity.
5. Be specially managed and used as a natural area for teaching and research.
6. Have unique natural features or unusual floristic, faunistic, or ecological features.
7. Have a relatively unpolluted stream, lake, or other natural habitat for native aquatic life.

DESIGNATION

The owners of an area included in the Illinois Natural Areas Inventory and in private ownership are contacted and the program is explained to them. If the owners want to have their natural area designated as a Natural Heritage Landmark, an agreement will be drawn up. This will contain the approximate legal description of the natural area, the provisions agreed upon, and a map of the area.

The owners may name the landmark. If they do not choose a name, the name that was given the area in the Illinois Natural Areas Inventory will be used.

When the owners sign the agreement, it is reviewed and signed by the Chairman of the Nature Preserves Commission and the Director of the Department of Conservation. Each owner will receive a framed certificate, a sign designating the land as a "Registered Illinois Natural Heritage Landmark", and an appropriate number of boundary signs.

The designation has no impact on the title or future sale of the land, except that the owner may give the Department the first right to acquire the land for preservation purposes at the same price another buyer would pay.

A new owner is not bound by the agreement. Designation has no effect on property assessment or taxes.

If agreeable to the owners, newspapers with local and regional circulation, and other publications will be notified of the designation of the area. The County Soil Water and Conservation District will be notified in all cases.



A file containing documentation, annual status reports, and management reports

) will be maintained on each designated area by the Commission and the Department.

Information on the location of designated areas will be made available upon request, with the consent of the owner.

TERMINATION

The agreement may be terminated after a period of sixty days or more from notification of either party, as provided in the agreement. Such termination removes the designation of the area as a Natural Heritage Landmark.

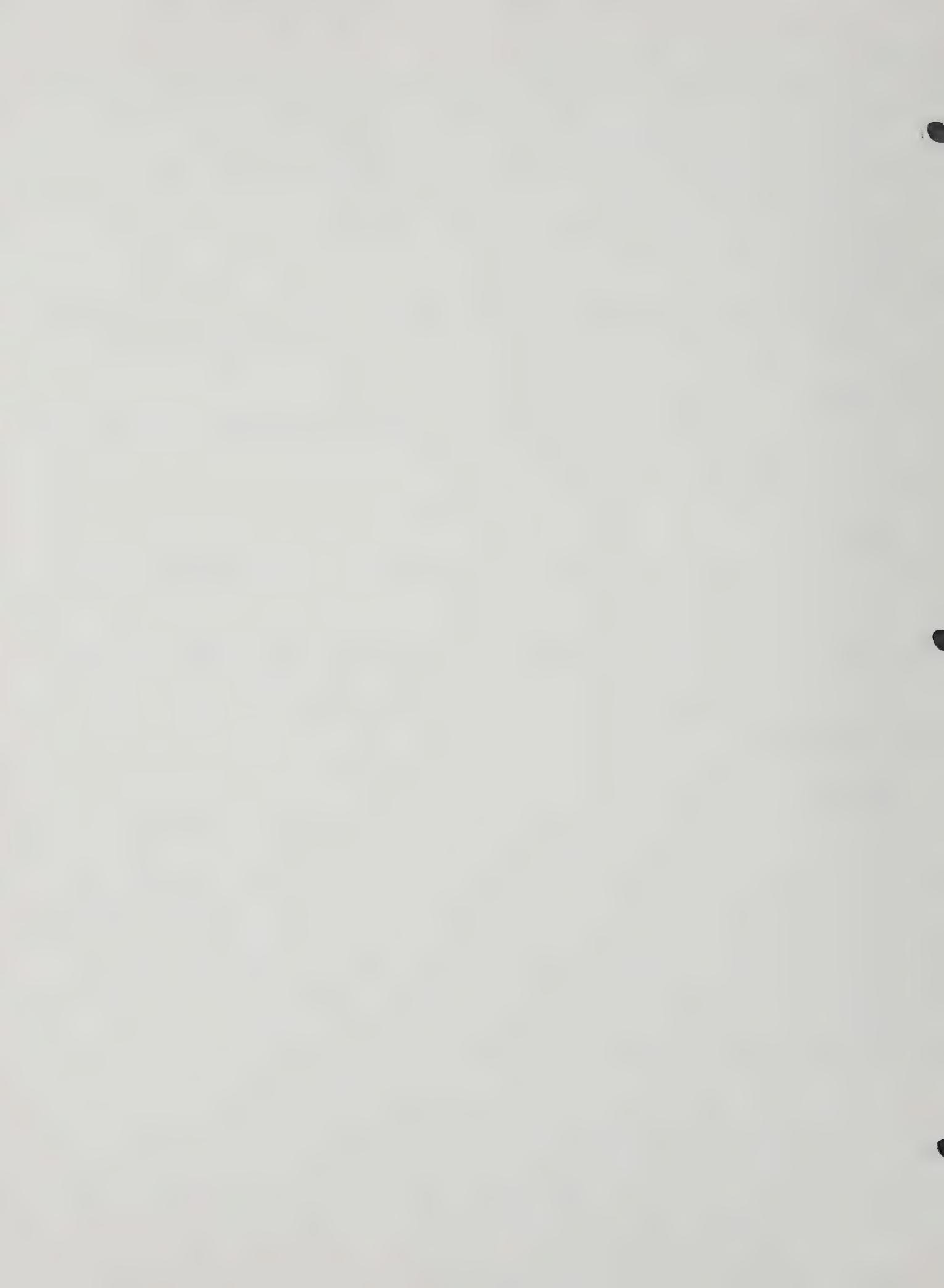
In case of termination, the owners must return the certificate and any signs that have been provided.

PUBLIC ACCESS

Designation of a Natural Heritage Landmark does not provide or require right of public access to the area. All visitors must obtain permission of the landowner before entering the property. Representatives of the Department and Commission may inspect the area on a periodic basis. The owner assumes no greater liability as a result of the designation.

MANAGEMENT

The policies and rules for management of nature preserves will serve as guidelines for management. Advice and assistance on management and protection will be provided by the Commission and the Department, or other designated agency as needed and agreed upon by the owner. If needed and desired by the owners, a written plan will be prepared for each area outlining the protection and management needs. The owners may request management advice and assistance at any time.



ILLINOIS NATURAL HERITAGE LANDMARK

Landowner Information Form

Date: 19

County: _____ INAI#: _____

INAI Name: _____

Landmark name: _____

Approximate legal description: _____

Access: _____

Owners name: _____

Address: _____

Telephone #: ()

Brief description of management and protection needs discussed with landowner:

Is a management plan needed or desired by landowner? Yes No

Department contact: _____

Commission contact: _____

Local contacts: _____

Does owner agree to allow visitation to area with prior permission or under the following conditions? Yes No

Does owner consent to allow release of information on area upon request? Yes No

Does owner agree to publicity on designation of area? Yes No

Date: 19 Signature of owners:

Illinois



Department of Conservation
life and land together

605 WM. G. STRATTON BUILDING • 400 SOUTH SPRING STREET • SPRINGFIELD 62706
CHICAGO OFFICE – ROOM 100, 160 NO. LASALLE 60601

David Kenney, Director • James C. Helfrich, Assistant Director

May 8, 1981

INPC 84
Item 17

Mr. Jerry Paulson
Natural Land Institute
320 South Third Street
Rockford, Illinois 61108

Dear Jerry:

I have enclosed the Natural Heritage Landmark materials and the priority one list of natural areas to be considered for the FY'83 acquisition list. I have asked John to develop a prioritized list based on the objectives of the Natural Areas Plan. I wish for you to develop a prioritized list incorporating landowner contact information. We will then get together and develop a working acquisition list of natural areas for the FY'83 budget proposal. I suggest that we develop a first level priority list up to \$1.3 million and second level priority list for an additional \$1.4 million.

Dave Cooper, Bill McClain and I will join you and your staff at your meeting on 14-15 May. If possible could you establish a specific time on one of those two days to discuss the Landmark program. I would appreciate that very much.

If you have any questions please call.

Sincerely,

Carl N. Becker

Manager-Natural Heritage
DIVISION OF FOREST RESOURCES
AND NATURAL HERITAGE

CNB:v1

Enclosure

Statewide
Priority I areas
Categories I, III, VI & VII

<u>Site</u>	<u>Division and Section</u>					
1. Apple River Canyon (1096)	Driftless Section					
2. Hanover Bluff (1058)	"	"				
3. Thompson Prairie (1056)	"	"				
4. Silver Creek Prairie (915)	Rock River Hill Country - Freeport Section					
5. Adeline Prairie (90)	"	"	"	"	"	"
6. Dakota Prairie (843)	"	"	"	"	"	"
7. Pecatonia Bottoms (910)	"	"	"	"	"	"
8. C,M, St. Paul & P. RR Prairie (994)	"	"	"	"	"	"
9. Clyde Cemetery Prairie (875)	"	"	"	"	"	"
10. Camp Benson (411)	"	"	"	"	"	"
11. Moose Hart Camp (764)	"	"	"	"	"	"
12. Stronghold Hill Prairie (74)	Rock River Hill Country Div. - Oregon Section					
13. Rock River (483)	"	"	"	"	"	"
14. Nachusa Marsh (997)	"	"	"	"	"	"
15. Lockport Prairie (932)	Northeastern Morainal Div. - Morainal Section					
16. Pilcher Park (937)	"	"	"	"	"	"
17. Ski Hill Prairie (700)	"	"	"	"	"	"
18. Wolf Road Prairie (251)	"	"	"	"	"	"
19. Bluff City Fen (537)	"	"	"	"	"	"
20. Spring Hill Farm (1011)	"	"	"	"	"	"
21. Sleepy Hollow (624)	"	"	"	"	"	"
22. Lake Bluff Woods (1006)	"	"	"	"	"	"
23. McCormick Nature Preserve (1008)	"	"	"	"	"	"
24. Stern's Fen (1013)	"	"	"	"	"	"
25. Fort Sheridan Bluff (1078)	"	"	"	"	"	"

26. Healy Road Prairie (392)	Northeastern Morainal Div. - Morainal Section				
27. Penn Central RR Prairie (541)	"	"	"	"	"
28. Burlington Prairie (626)	"	"	"	"	"
29. Murray Prairie (630)	"	"	"	"	"
30. Wadsworth Prairie (649)	"	"	"	"	"
31. Channel Lake (673)	"	"	"	"	"
32. Chicago & NW RR Prairie (718)	"	"	"	"	"
33. Chicago & NW RR Prairie (719)	"	"	"	"	"
34. Lockport Prairie North (882)	"	"	"	"	"
35. ICG RR Prairie (901)	"	"	"	"	"
36. Lake in the Hills Fen (701)	"	"	"	"	"
37. Palos Fen (421)	"	"	"	"	"
38. Calumet City Prairie (497)	"	"	Chicago Lake Plain Sec.		
39. Burnham Prairie (461)	"	"	"	"	"
40. Powderhorn Lake (1071)	"	"	"	"	"
41. Wampum Lake Seepage Area (428)	"	"	"	"	"
42. Lake Calumet (1070)	"	"	"	"	"
43. Coon Club Pond (1024)	"	"	Winnebago Section		
44. C & NW Prairie (Ipsen) (977)	"	"	"	"	"
45. South Ledges of Kinnikinnick Creek (1025)	"	"	"	"	"
46. Bell Bowl Prairie (916)	"	"	"	"	"
47. Winquist Prairie (914)	"	"	"	"	"
48. Kishwaukee River (720)	"	"	"	"	"
49. Christian Camp Sedge Meadow (646)	Grand Prairie Division - Grand Section				
50. Yorkville Prairie (69)	"	"	"	"	"
51. Ernat's Marsh (354)	"	"	"	"	"
53. Stoddard Hill Prairie (6)	"	"	"	"	"
54. Des Plaines Conservation Area (889)	"	"	"	"	"

55. Log Cabin Hill Prairie (129)	Grand Prairie Division - Grand Section				
56. Mackinaw River Hill Prairie (250)	"	"	"	"	"
57. Rocky Glen (204)	"	"	"	"	"
58. Springdale Cemetery (210)	"	"	"	"	"
59. ICG RR Prairie (693)	"	"	"	"	"
60. Wedron Palisades (676)	"	"	"	"	"
61. Rhodes Relicts (678)	"	"	"	"	"
62. Mackinaw River (788)	"	"	"	"	"
63. Kankakee River (980)	"	"	"	"	"
64. Yorkville Seep (982)	"	"	"	"	"
65. Pecumsaugan Creek (1010)	"	"	"	"	"
66. Long Point Slough (West) (85)	"	"	"	Springfield Section	
67. Elkhart Hill (178)	"	"	"	"	"
68. Norfolk & Western RR Prairie (842)	"	"	"	"	"
69. Munson Cemetery Prairie (573)	"	"	"	Western Section	
70. Harper Woods (137)	"	"	"	"	"
71. CRI & P RR Prairie (575)	"	"	"	Green River Section	
72. Burlington Northern RR Prairie (696)	"	"	"	"	"
73. C,RI & P RR Prairie (576)	"	"	"	"	"
74. ICG RR Prairie (899)	"	"	"	Kankakee Sand Area Sec.	
75. Guiding Star Savanna (974)	"	"	"	"	"
76. Campbells Woods (65)	"	"	"	"	"
77. Illiana Heights Swamp (635)	"	"	"	"	"
78. ICG RR Prairie (644)	"	"	"	"	"
79. Penn Central RR Prairie (580)	"	"	"	"	"
80. Vesley-Simpson Prairie (934)	"	"	"	"	"
81. Gooseberry Island (106)	"	"	"	"	"
82. Hitts Siding Prairie (1047)	"	"	"	"	"

83.	Crow Creek Marsh (305)	Upper Miss. Riv. & Ill. Rev. - Ill. Riv. Sec.
84.	Sommer Property (190)	Bottomlands Division
85.	Snyder Hill Prairie (349)	" " " " " " " "
86.	Senachawine Seep (825)	" " " " " " " "
87.	Crystal Lake Gun Club (356)	" " " " " " " Miss. Riv. Sec.
88.	Gardner Woods (146)	" " " " " " " "
89.	Pin Oak Lake (108)	" " " " " " " "
90.	Burlington Northern RR Prairie (1075)	" " " " " " " "
91.	Matanzas Prairie West (196)	Ill. & Miss. Riv. Sand Areas - Ill. Riv. Sec.
92.	Matanzas Prairie (124)	" " " " " " " "
93.	Schone Property (112)	" " " " " " " "
94.	Sand Ridge Savanna (364)	" " " " " " " "
95.	Savanna Army Depot (965)	" " " " " " " "
96.	Burlington Northern, C,M,S.P. & P RR Prairie (416)	" " " " " " " "
97.	Daniels Marsh (171)	Western Forest Prairie Div. - Galesburg Sec.
98.	Massasauga Prairie (113)	" " " " " " "
99.	Reeler Woods (125)	" " " " " " "
100.	Cecil White Prairie (155)	" " " " " " "
101.	Browning Woods (367)	" " " " " " "
102.	Weinburg King Natural Area (246)	" " " " " " "
103.	Norfolk & Western RR Prairie (405)	" " " " " " "
104.	Beyler Cemetery Prairie (371)	" " " " " " "
105.	Spring Grove Cemetery (864)	" " " " " " "
106.	Meyers Lake (332)	" " " " " " Carlinville Sec.
107.	Solomon Creek Woods (182)	" " " " " " "
108.	Hagaman Marsh (181)	" " " " " " "
109.	ICG RR Prairie (726)	" " " " " " "
110.	ICG RR Prairie (727)	" " " " " " "



1. *Chlorophytum*



2. *Chlorophytum*



111. Burton Creek Natural Area (147)	Middle Miss. Riv. Border Div. - Glaciated Sec
112. Eldred Caves (550)	" " " " " " "
113. Northeast Meredosia Hill Prairie (203)	" " " " " " "
114. Indian Bluff Hill Prairie (139)	" " " " " " "
115. Waggoner Creek Hill Prairie (154)	" " " " " " "
116. Brainerd Cave (605)	" " " " " " "
117. Distillery Hollow Glade (604)	" " " " " " "
118. Elsah Hill Prairie (962)	" " " " " " "
119. Principia College Hill Prairie (970)	" " " " " " "
120. Cap Au Gris (406)	" " " " Driftless Section
121. Krause Woods (315)	" " " " " " "
122. Kamp's Glade (313)	" " " " " " "
123. Lake Lou Yeager Barren (752)	Southern Till Plain Division - Effingham Sec.
124. Penn Central RR Prairie (751)	" " " " " " "
125. Roberts Cemetery Savanna (750)	" " " " " " "
126. Embarras River (950)	" " " " " " "
127. Jackson Slough Woods (242)	" " " " " " "
128. New Athens Woods (833)	" " " " " " "
129. Lively Branch Woods (307)	" " " " " " "
130. Wagon Lake (308)	" " " " " " "
131. Ramsey Marsh (546)	" " " " " " "
132. Sonneman Woods (32)	" " " " " " "
133. Johnson Woods (870)	" " " " " " "
134. Pin Oak Flatwoods (94)	" " " " " " "
135. Williams Creek (869)	" " " " " " "
136. Lake Murphysboro Hill Prairie (584)	Southern Till Plain Div. - Mt. Vernon Hill
137. Kinkaid Bluff (558)	" " " " " " "
138. Hanging Rock (679)	" " " " " " "

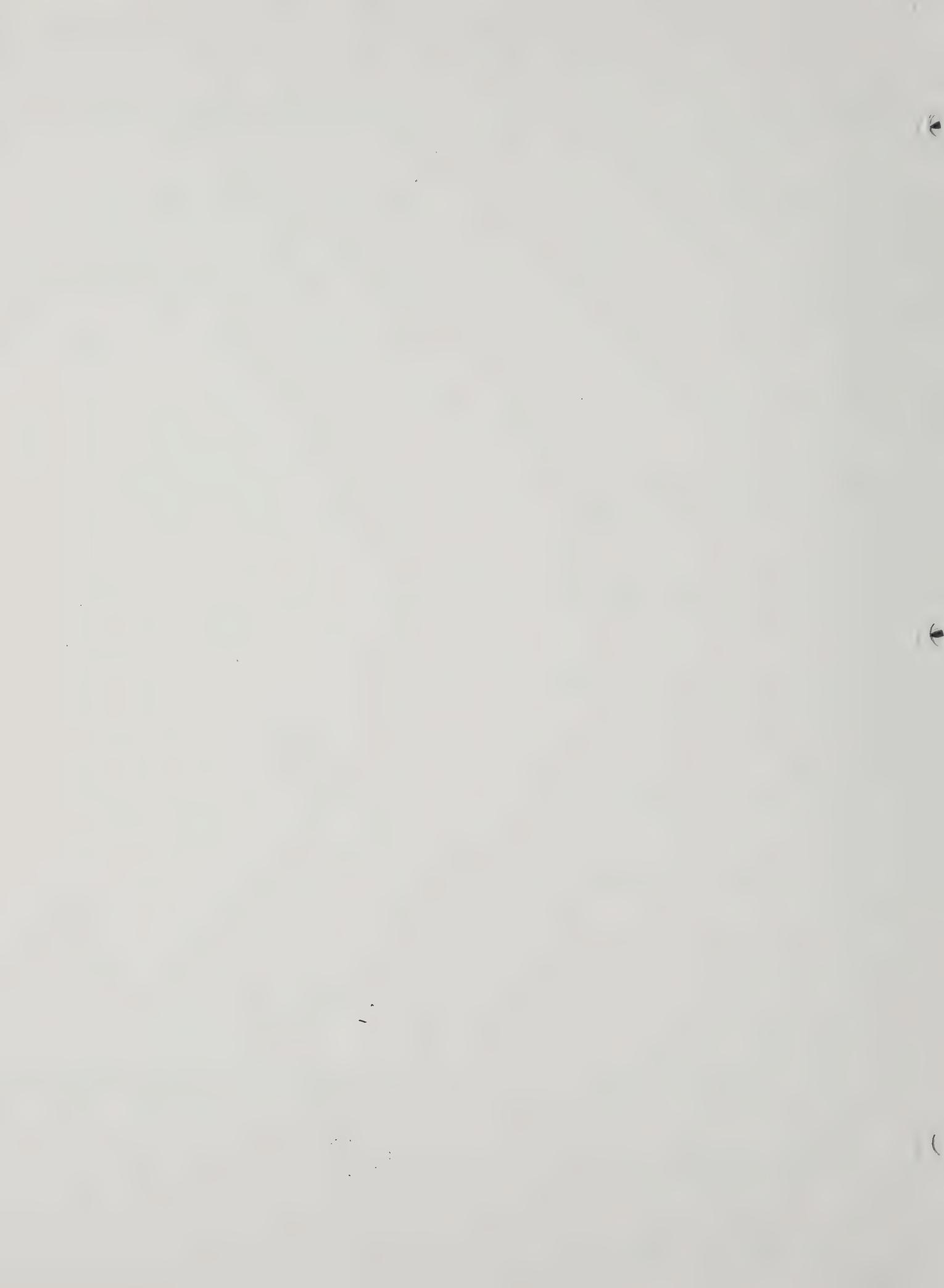
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139.	Behre Bluff (95)	Southern Till Plain - Mt. Vernon Hill Country Sec.				
140.	B & O RR Prairie (1044)	"	"	"	"	"
141.	Campbell Lake (167)	"	"	"	"	"
142.	Mt. Erie Springs (1048)	"	"	"	"	"
143.	Hanging Rock (679)	"	"	"	"	"
144.	Murphysboro Marsh (957)	"	"	"	"	"
145.	Flag Pond (37)	Wabash Border Division - Bottomlands Sec.				
146.	Goose Pond (872)	"	"	"	"	"
147.	Stebers Woods (57)	"	"	"	"	"
148.	Little Rock Farm (368)	"	"	"	- Uplands Section	
149.	West Fork Relict Site (1081)	"	"	"	"	"
150.	Fairchild Cemetery Savanna (1073)	"	"	"	Vermilion Riv. Sec.	
151.	Forest Glen Seep (879)	"	"	"	"	"
152.	Orchid Hill (805)	"	"	"	"	"
153.	Camp Drake (104)	"	"	"	"	"
154.	Middle Fork of Vermilion River (494)	"	"	"	"	"
155.	Willow Creek Seep (23)	"	"	"	"	"
156.	Vermilion River (495)	"	"	"	"	"
157.	Stemler Cave Area (939)	Ozark Division - Northern Section				
158.	Mary's River Woods (100)	"	"	"	"	"
159.	Illinois Cavern (1016)	"	"	"	"	"
160.	Fogelpole Cave (762)	"	"	"	"	"
161.	Saltpeter Cave Area (758)	"	"	"	"	"
162.	Camp Vandeventer (756)	"	"	"	"	"
163.	Falling Spring (Cave) (838)	"	"	"	"	"
164.	Reed's Canyon (168)	"	"	Reed's Section		
165.	Cave Spring Cave (876)	"	"	Southern Section		
166.	Berryville Shale Glade	"	"	"	"	"
167.	Atwood Ridge (1046)	"	"	"	"	"

168. Tripp Barren (855)	Ozark Division - Southern Division
169. Ozark Hill Prairies (509)	" " " "
170. Levee Lake (304)	Lower Miss. Riv. Bottomlands Div.-Northern Sec
171. Clear Creek (877)	Lower Miss. Riv. Bottomlands Div.-Southern Sec
172. Lusk Creek (485)	Shawnee Hills Div. - Greater Shawnee Hills Sec
173. Lusk Creek North (816)	" " " " " " "
174. Bulge Hole (986)	" " " " " " "
175. Pounds Hollow (558)	" " " " " " "
176. Flick Hill (335)	" " " " " " "
177. Hayes Creek Sites (793)	" " " " " " "
178. Reeds Creek Canyon North (583)	" " " " " " "
179. Double Branch Hole (792)	" " " " " " "
180. Bear Creek Relict Site (587)	" " " " " " "
181. Split Rock Hollow (615)	" " " " " " "
182. Saltpeter Cave Relict Site (586)	" " " " " " "
183. Fountain Bluff North (589)	" " " " " " "
184. Wise Ridge (60)	" " " " " " "
185. Gyp Williams Hollow (1027)	" " " " " " "
186. Cave Hill (243)	" " " " " " "
187. Copperous Branch Hill Prairie (1028)	" " " " " " "
188. Cedar Bluff (359)	" " " " " " "
189. Frieze Cave (819)	" " " " " " "
190. Ava Cave (598)	" " " " " " "
191. Cave Spring Cave (984)	" " " " " " "
192. Whoopie Cat Mountain (325)	Shawnee Hills Div. - Lesser Shawnee Hills Sec
193. Barker Bluff (19)	" " " " " " "
194. Firestone Creek Cave (621)	" " " " " " "
195. Rich's Cave System (863)	" " " " " " "
196. Roaring Spring Area (878)	" " " " " " "



197. Brown's Hole Cave (570)	Shawnee Hills Div. - Lesser Shawnee Hills Sec.						
198. Big Creek (464)	"	"	"	"	"	"	"
199. Mason Cave (619)	"	"	"	"	"	"	"
200. Archimedes Cave (620)	"	"	"	"	"	"	"
201. Cedar Bluff Cave (769)	"	"	"	"	"	"	"
202. Guthrie Cave (1021)	"	"	"	"	"	"	"
203. Lusk Creek (485)	"	"	"	"	"	"	"
204. Little Cache Creek Area (616)	"	"	"	"	"	"	"
205. Tilker Tract (72)	Coastal Plain Div. - Cretaceous Hills Sec.						
206. Klondike Spring (809)	"	"	"	"	"	"	"
207. Open Pond (853)	"	"	"	Bottomlands Sec.			
208. Clear Pond (83)	"	"	"	"	"	"	"
209. Mermet Lake Flatwoods (741)	"	"	"	"	"	"	"



INPC 84

Item 18

6/1/81

DRAFT REVISION

AGREEMENT FOR PROFESSIONAL SERVICES

Fiscal Year 1982

7) During the period of this agreement Institute shall provide an executive secretary and such other positions as Commission may approve.

The executive secretary shall serve as chief executive officer of Commission,
provide necessary support services for Commission, direct the execution
of Commission's program in accordance with directives of Commission, and
supervise staff of Commission.

8) Institute shall require its employees who serve in such positions as staff and agents of Commission to comply with State of Illinois Executive Order 3 (1977) and file the Statement of Economic Interest with the Illinois State Board of Ethics.

A Proposal For Dedication Of An Addition To The
Castle Rock Nature Preserve, Ogle County

Summary

INPC 84
Item 20

A tract of 96.6 acres located north of the present Castle Rock Nature Preserve is proposed for dedication. As an addition to the Castle Rock Preserve, a part of the best remaining example of an assemblage of relict boreal plants found in the Oregon Section of the Rock River Hill Country Division, as described by the Illinois Natural Areas Inventory in 1977, would be protected within the Illinois Nature Preserve System. Many of the plants found here are endangered or threatened in Illinois. The tract would also include natural communities and unique ecological conditions not represented within the Nature Preserve System. A parcel of 23.4 acres is also described as being buffer to the proposed addition.

Background

The land proposed for dedication has long been known by prominent Illinois naturalists for its scenic beauty and unusual plants and habitats. One of the earliest accounts of this area being botanized was in 1888 by M.B. Waites. His studies were expanded by such noted botanists as Egbert and George Fell, George Fuller, George Neville Jones and Henry Allan Gleason. The Fells were among the first to note the significance of the reproduction of native white pine here, an ongoing ecological occurrence that can still be observed. More recent investigations were conducted by a team of ecologists for the Illinois Natural Areas Inventory. Termed the Little Tract at Castle Rock (Area #770; Ref. #34), studies including relocations, mapping and monitoring of the unusual plants and habitats were made for the first time in decades. The monitoring process is being continued by the Department's Natural Heritage Section.

The past owners were also appreciative of the tract's beauty. The Gerald Fearer family visited the time worn cliffs and canyons to view the statuesque pines. For several years they shared the land with their neighbor, the Little White Pine Ranch. Horseback riding and hiking were permitted up until the sale of the land to the State. Horse trails are evident throughout the tract. It was the cooperation of the Fearer family and the dedicated work of Lydia Meyer of the Nature Preserves Commission staff and Kent Massie of the Department of Conservation that eventually brought this land into State ownership in July of 1979.

Although this 120 acres is now protected by the State, the use of the adjacent lands have caused some concern to the actual integrity that the State's protection would afford. The sandstone reserves to the northeast and south of the tract will be eventually quarried and are presently under the ownership of Martin Marietta Aggregates Industrial Sand Division. Investigations were made by the State Water Survey Division concerning watershed recharging and groundwater changes that could result from the quarrying. The results of this study indicated that no adverse affects from the quarry operations to the water table would occur if the quarrying were conducted in the present manner it is being done north of proposed addition. Further talks with Martin Marietta personnel have arrived at additional tentative protective setbacks from both the Castle Rock Preserve and the proposed addition boundaries where future quarry operations would occur. The Martin Marietta Oregon holdings are presently for sale due to federal implications. The decisions made between the State and Martin Marietta concerning the preserves would be binding to the new owner.

Size and Location

The proposed preserve addition totals 96.6 acres while the buffer makes up the remaining 23.4 acres of the 120 acre tract. Castle Rock Nature Preserve lies just north of the addition, separated by 40 acres of farm fields. Castle Rock State Park connects with the addition on the east side by means of a scenic easement worked out with Martin Marietta. The same company is operating the quarry that is located north of the addition. The Little White Pine Ranch borders the western boundary of the tract. The land is located in sections 7 and 18 of Township 23 North, Range 10 East of the Fourth Principal Meridian, Dixon 15' quadrangle, in Ogle County, Illinois.

Character of the Area

Physical Features

The bedrock, soils and their aspects are the main factors determining the occurrence of the unusual vegetation remaining here. The exposures of rock outcropping within the area belong to St. Peter sandstone formation. It was deposited some 475 million years ago as a marine sand near the shoreline of the advancing inland sea. The exposures of St. Peter sandstone here are due to ancient uplifting in the Sandwich Fault Zone and the later scouring by the Illinoian and Wisconsinan glaciers. The thickness of the outcrops vary from a few feet along Heather Creek to over 25 feet in some of the side canyons. St. Peter

sandstone is composed of exceptionally pure quartz sand and is free from clay, carbonates and other heavy minerals. For these reasons, it is extensively quarried for silica sand. This is evident by the presence of the Martin Marietta quarry to the northeast. This sandstone is acidic in nature and is one of the major aquifers in Illinois; two features that are extremely important to the maintenance of the rare plants found here. Many of the exposures remain moist for extensive periods of time. Ground water percolates through the sandstone and in cases where iron oxide is present in high concentrations, densely cemented bands of this oxide called limonite are formed. The ground water flows across the limonite surfaces, causing drip walls and seepages to occur. Seepages may also occur when shale from the Glenwood Formation cover the sandstone. The cooling effect from this moisture help create and maintain the microhabitat required by many of the relict boreal plants.

The recent soil survey for Ogle County lists the mapping of 11 different soil types within the proposed preserve. The soils vary from steeply sloping, excessively drained sand and sandy loams in the uplands to level, poorly drained clay loam in the Heather Creek bottom. Just the two predominant soils, Boone sand and Comfrey clay loam will be briefly commented on.

Boone sand is found on 15 to 45 percent slopes in the upland. It is an excessively drained soil as are the rest of the adjacent sand loams. It is found covering the St. Peter sandstone from a depth of a few inches to a maximum depth of 34 inches. An important aspect of this soil type pertaining to the boreal species is its low organic content and strong acidic nature. The extent of the white pine and associated boreal relicts are reflected in their distribution in the tract by these soils.

The poorly drained Comfrey clay loam is the predominant soil type of the Heather Creek bottom. This alluvial soil maintains a high seasonal water table. Combine these characters with the seepages from the adjacent sandstone cliffs and permanent wet areas often are formed in small, low depressions.

Heather Creek dissects the tract flowing from the northwest to the southeast. The creek is a clear water, sand bottom stream varying from 3 to 8 feet wide over its strongly meandering course. After heavy rains, it often overflows its banks and inundates much of the open floodplain. Beaver occasionally dam the creek causing minor flooding. The main source of pollution occur upstream from adjacent pastures and feedlot in the form of silt and high BOD levels.

A geologic feature that is not exposed within the tract but has certainly had its influence upon it is the Sandwich fault. The main fault lies just north of the proposed preserve

and can be seen in a cut along the Burlington Northern Railroad. There are several adjacent high angle faults making this actually a fault zone, about $\frac{1}{2}$ to 2 miles wide. Vertical displacements range locally from about a foot to 300 feet, depending largely upon the number of vertical faults present. The blocks are upthrown to the south, thus exposing the St. Peter sandstone throughout the Castle Rock area. The St. Peter sandstone would normally be found 200 feet below the younger dolomitic Plattville formation and glacial drift from the Wisconsinan glacier. This zone extends from Ogle county southeast to Will county, Illinois.

Biological Features

Several natural communities representing the Oregon Section of the Rock River Hill Country Division are defined within the proposed preserve addition. They include mesic upland forest with associated relict boreal plant assemblages, dry and dry-mesic upland forest, seeps, sandstone glade/dry-mesic sand prairie, sandstone cliffs, and a mesic floodplain forest. Some of the communities are not yet represented within the Illinois Nature Preserve System.

The mesic upland forest and associated sandstone cliffs are the most significant features in the tract. This area occurs on the south side of Heather Creek on a northerly slope. This community extends further west into an area called Littles Canyon out of the tract proposed for preserve dedication. Both the State land and Little tract were designated as a category II and III significant featured natural area by the Illinois Natural Areas Inventory. It is in this area that the relict boreal plant communities occur. A band of nearly pure mature, native white pine occur here with associated relict plants, such as, the bunchberry (*Cornus canadensis*), hairy woodrush (*Luzula acuminata*), round-leaved shinleaf (*Pyrola americana*), shinleaf (*P. elliptica*), Canada blueberry (*Vaccinium myrtillloides*), and wild sarsaparilla (*Aralia nudicaulis*). The acid, sandy soils accompanied by shaded, moist cliffs afford the suitable habitat required by these species. The normal range for many of these plants is much further north in Wisconsin and Minnesota or to the east in the Appalachian Mountains where a more boreal climate persists. This assemblage is a remnant of what was once a more wide spread boreal community that covered much of northern Illinois some 25 to 40 thousand years ago during the later stages of the Wisconsinan glacial period. Other plants found here with northern affinities are the oak fern (*Gymnocarpium dryopteris*), long beech fern (*Thelypteris phegopteris*), ground pine (*Lycopodium dendroideum*), shining clubmoss (*L. lucidulum*), smooth white violet (*Viola pallens*) and the Canada mayflower (*Maianthemum canadensis*).

The white pine found here has been noted from this area since the first settlers arrived. A few of the older trees were aged at 100 to 150 year old are found along the cliffs. The stand, however, is composed of all age classes and is reproducing well. While many of the relict boreal herbs are can only be found on the northern slopes, the white pine may be seen on the dryer southern slopes on the north side of Heather Creek. Here the stand appears to be much younger and mixed more with the oak and hickory hardwoods. This area was grazed and had some timber harvesting in the past 30 years, causing an opening of the canopy and mineral soil, thus allowing seed from mature pine in an adjacent side canyon to reestablish itself along the bluff slope. It is competing well with species of oak that are also seeding in.

Additional mesic upland forest is found in the side ravines in the south half of the area. Northern red oak, basswood and an occasional white pine dominate. Witch-hazel often forms thickets here. Ground pine, yellow lady's slipper, showy orchid, rattlesnake plantain and interrupted fern can be seen in the understory.

The dry upland forest is found on the narrow ridge tops in the tract. Black and white oak dominate this community. The black huckleberry, bracken fern, and pincushion moss are good indicators of the dry conditions existing here. The best remaining example of this forest community occurs south of Heather Creek. This area has been grazed in the recent past and some timber harvesting has also occurred, but recovery of the area is well underway. The dry forest community north of Heather Creek has been greatly disturbed by general logging. This area was cleared of nearly all large trees in anticipation of the further advancing quarry operations from the northeast.

The dry-mesic forest occurs on the gentle southerly slopes in the northern-most part of the tract and on the upper ravine slopes to the south. White oak is the dominant species here. Bur oak, shagbark hickory, hackberry, and red elm are minor constituents of the canopy. Red elm, boxelder, white oak and occasionally, white pine are found in the seedling-sapling layer. The canopy species here are commonly in the 40 to 60 cm. DBH classes. This forest community was also lightly grazed recently. Occasional stumps can be seen as evidence tree removal in the past ten years. In areas where the dry-mesic community grades into the side canyons and ravines, hazel thickets commonly occur attesting to the more mesic conditions existing here.

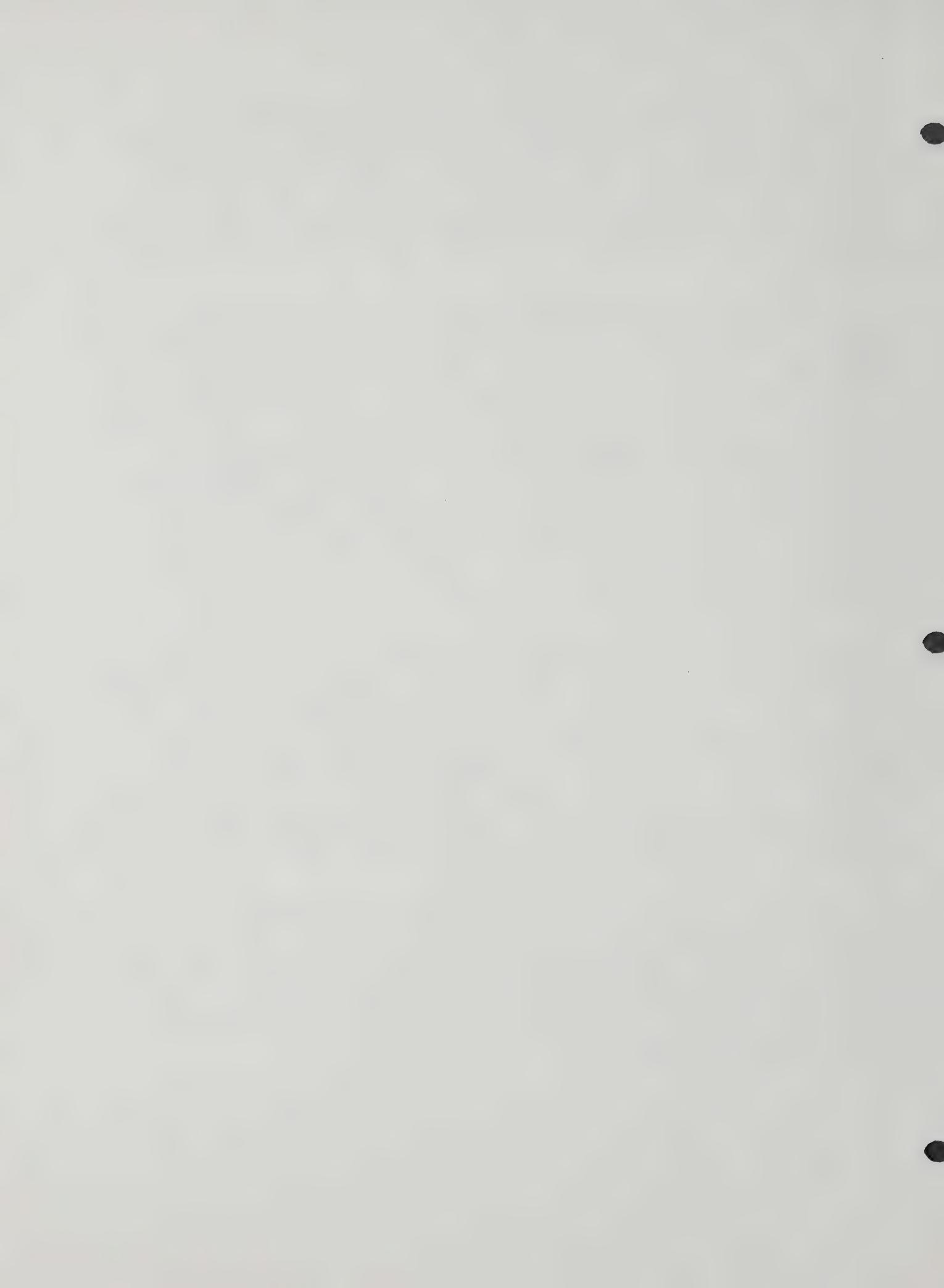
The seeps arise from the sandstone cliffs on the south side of Heather Creek and adjacent side canyons. They floristically vary from each depending upon topography and soils. The seeps that are perched on sandstone ledges above the floodplain are small and have a very rich bryophyte composition. One particular seep of this type has the only known colony of Sphagnum in the

preserve. The seeps that occur in the level floodplain are usually against the sandstone outcrops in depressional areas. This seep type is characterized by skunk cabbage, interrupted fern, impatiens, and several species of sedges. The perched seeps appear to have never been disturbed but could be easily damaged or destroyed by inadvertent climbing. The floodplain seeps are occasionally inundated for brief periods of time and may have been grazed in the past but reflect much of their original character.

A small sandstone glade/dry-mesic sand prairie occurs above the highest cliff on the north side of Heather Creek. The glade is narrow and is characterized by outcrops of sandstone with many colonial cryptogams. Lichens from the foliose, fruticose, and crustose groups are common, indicating past use of the area by man as minimal. Large colonies of pincushion and hairy cap moss attest to the xeric conditions existing. As the soil develops upslope, prairie vegetation predominates. Little bluestem, Canada bluegrass and curly grass (Danthonia spicata) prevail as the grass cover. Rough blazing-star, bastard toadflax, pinweed, Ohio spiderwort, birdfoot violet, flowering spurge, hairy hawkweed, and the pink milkwort are some of the common forbs noted. Grazing probably occurred, but was never heavy. Some tree invasion is occurring here; mainly from white oak and white pine.

The floodplain of Heather Creek exhibits the most extensive disturbance of all the natural communities. Presettlement vegetation of the valley suggests that a mesic floodplain forest grew here. An occasional old bur oak and walnut indicates that this assumption was probably correct. However, nearly all the canopy trees are long gone and the valley floor was heavily grazed. Thickets of black and sandbar willow grow along the creek as well as boxelder. Multiflora rose also forms dense clones. Although sedges dominate in wet areas, exotic grass and successional forbs such as ragweed, goldenrods and composites in general cover the dryer areas. In one of the wet sedge meadows a white form of Lobelia siphilitica was found.

Wildlife in the area is also diverse. Evidence of white-tail deer, raccoon, striped skunk, eastern fox and gray squirrel, eastern cottontail, coyote, woodchuck and beaver have been noted here. A den of a red fox was also found in the spring of 1979. Other mammals either seen, trapped, or remains found in raptor pellets either on the tract or on adjacent land include the white-footed mouse, meadow mole, eastern mole, masked shrew, and eastern chipmunk.



Birds noted in the area as possible summer residents include the barred owl, red-tailed hawk, green heron, wood duck, turkey vulture, killdeer, mourning dove, yellow-billed cuckoo, common flicker, red-headed woodpecker, downy woodpecker, eastern kingbird, bluejay, American crow, white-breasted nuthatch, gray catbird, brown thrasher, American robin, red-winged blackbird, northern oriole, northern cardinal, brown-headed cowbird, scarlet tanager, indigo bunting, rose-breasted grosbeak, house sparrow and song sparrow to list a few. The four-toed salamander was located in the Castle Rock area in the mid sixties. This population is also considered a relict. Suitable habitat for this species occurs within the tract as it is attracted to boggy woods and Sphagnum areas.

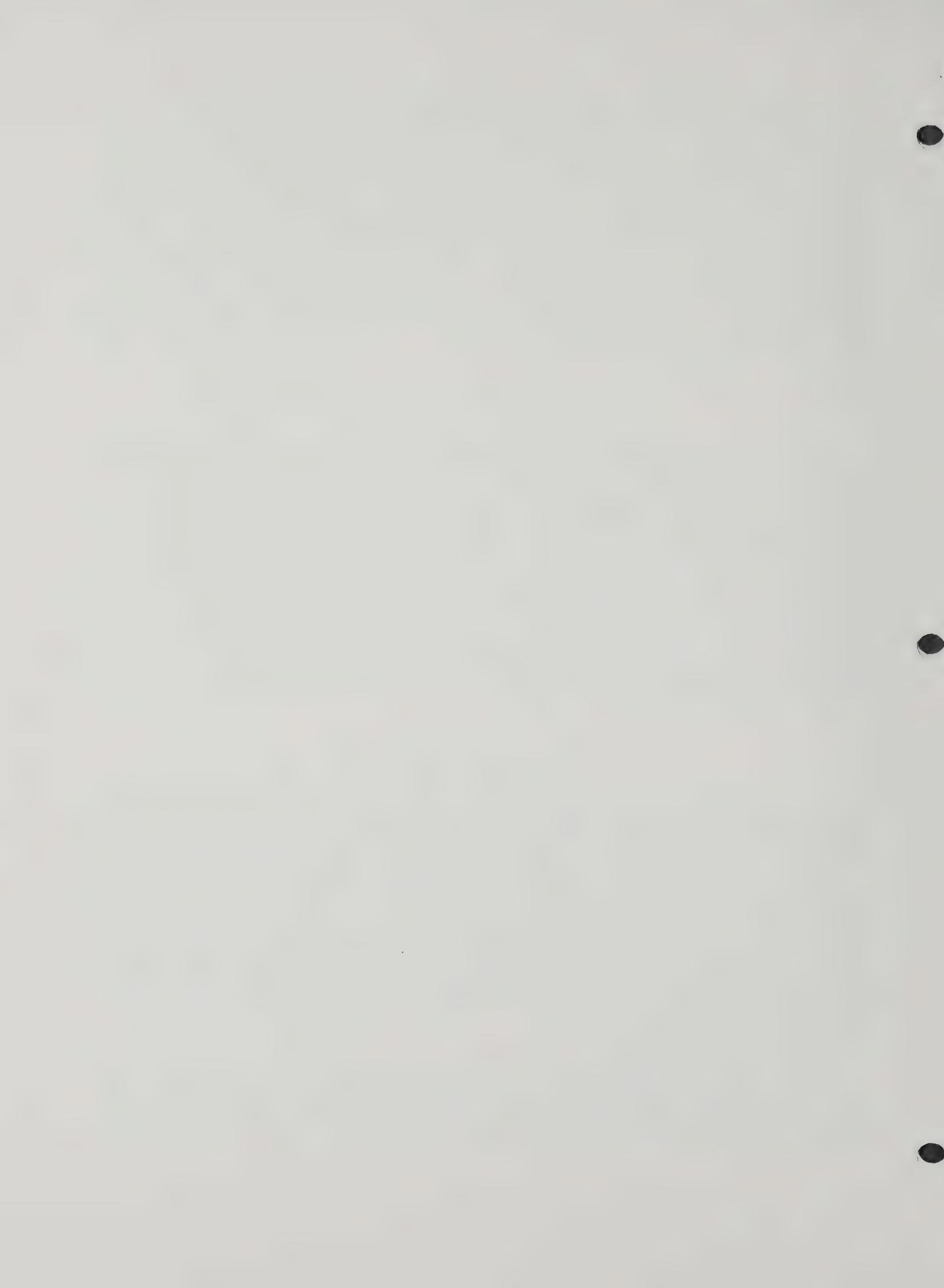
Nature Preserve Values

The tract proposed as an addition to the Castle Rock Nature Preserve was recognized by the Illinois Natural Areas Inventory as the only remaining assemblage of relict boreal plants of this type left in Illinois. The area is also highly significant in the fact that it is State owned and is the largest and best remaining example of a mixed pine/oak hickory forest community on sand left in the Oregon Section of the Rock River Hill Country Division. The diversity of the tract will add several new community types not yet represented in the present Preserve System. Dedication will provide protection for the habitats and populations for several endangered plant species. All of the preceding attributes strongly recommend the addition for protection through dedication as an Illinois Nature Preserve.

Management Needs

A few problems now existing within the tract need immediate management followups. Due to past grazing, multiflora rose has spread into the Heather Creek bottom and open parts of the upland forest. A herbicide program needs to be established to control this exotic species. A second problem resulting in the potential of accidental grazing occurs on the western part of the proposed addition. The fences on the boundaries of the addition are in a poor state of repair or nonexistent. The adjacent landowner to the west grazes horses on his land and they may stray into the tract as they have in the past. Approximately a mile and a half of fence would be needed to fence the area plus posting it with the proper signs.

Future ^{MANAGEMENT} considerations should be made with sand quarry owner on land rehabilitation next to the addition. In addition, vegetation and water-shed monitoring should be started to note any changes or problems that may arise after quarrying begins.



A nature trail following one of the old horse trails will be constructed. It will be a loop trail that will connect the proposed addition to the park trail system as recommended by the present Master Management Plan.

Endangered Species Occurring
At The Proposed Preserve Addition

E	<i>Lycopodium dendroideum</i>	ground pine
E	<i>Gymnocarpium dryopteris</i>	oak fern
E	<i>Thelypteris phegopteris</i>	long beech fern
E	<i>Luzula acuminata</i>	hairy woodrush
E	<i>Cornus canadensis</i>	bunchberry
E	<i>Pyrola americana</i>	round-leaved shinleaf



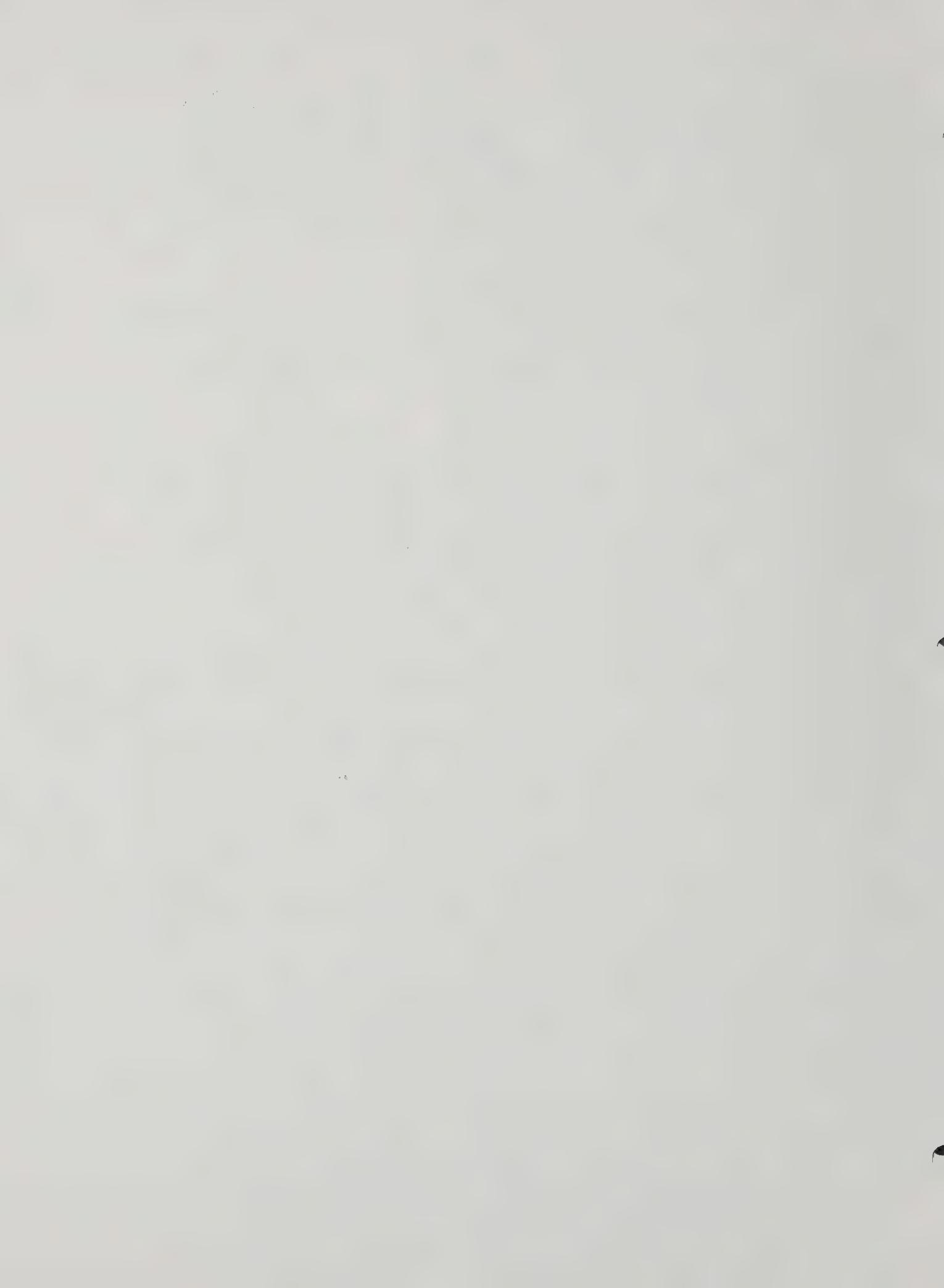
Fearer Tract Addition

- ||||| Fearer addition
- Buffer
- |||| Castle Rock Nature Preserve
- ==== Scenic easement
- Sand reserves
- A Active quarry

Scale: 1 inch = 660 feet approx.

N

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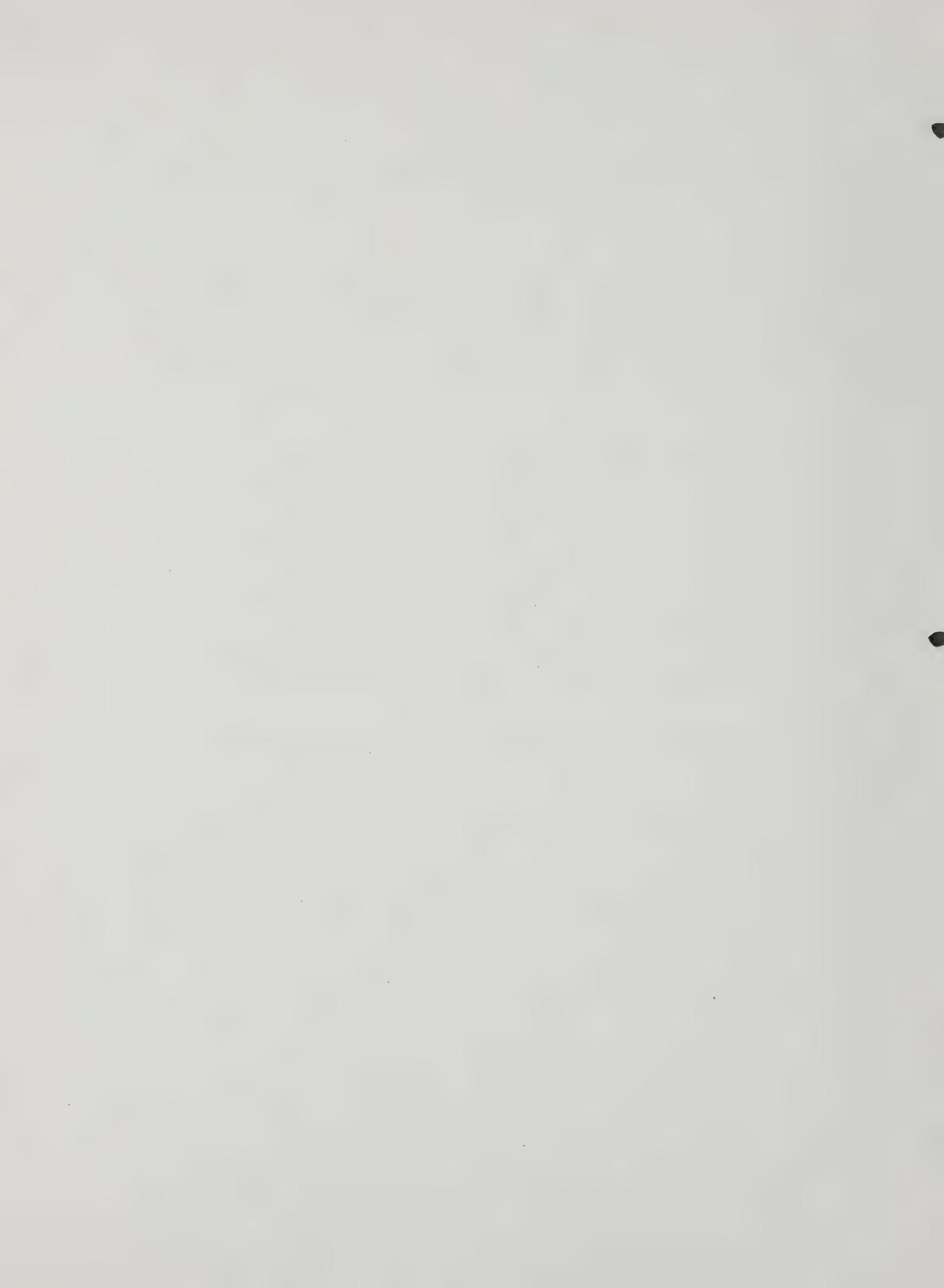
Dedication Of An Addition To The Castle Rock Nature Preserve

KNOW ALL MEN BY THESE PRESENTS, that the State of Illinois, Department of Conservation, being said owner thereof does hereby dedicate the following described real property as a nature preserve.

The Southeast Quarter of the Southwest Quarter of Section 7, the Northeast Quarter of the Northwest Quarter of Section 18, and that part of the Northwest Quarter of the Northeast Quarter of Section 18 beginning at the Southwest corner of said Quarter Quarter Section thence East 90° 1320 feet, thence North 0° 165 feet, thence North 62° West 1518 feet to the West line of said Quarter Quarter Section, in Township 23 North, Range 10 East of the Fourth Principal Meridian, in Ogle County, Illinois.

The property hereinabove described is dedicated for the purposes, and shall be held, maintained, and used as provided for nature preserves, in "An Act in relation to the acquisition, control, maintenance, improvement and protection of State parks and nature preserves", approved June 26, 1925, as heretofore amended and "An Act relating to the creation of the Illinois Nature Preserves Commission and defining its powers and duties", approved August 28, 1963, as heretofore amended. Said property is further dedicated for the purposes, and shall be held, maintained, and used as provided for nature preserves in any amendment to said Acts enacted hereafter, but no such amendment shall alter the exclusive commitment of said land to the preservation of natural conditions for the purposes specified in said Acts as of the date of this dedication.

The following described real property lying adjacent to the nature preserve herein dedicated is dedicated as, and shall be held as, buffer area for the protection of the nature preserve. Said buffer area may be developed, managed, or used



for public conservation, recreation or service purposes as may be approved by the Illinois Nature Preserves Commission and the Department of Conservation or shall be managed as if it were part of the nature preserve herein dedicated:

That part of the Northwest Quarter of the Northeast Quarter of Section 18 excluded from the above described real property dedicated as nature preserve.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ day of _____ 19____.

APPROVED:

Governor

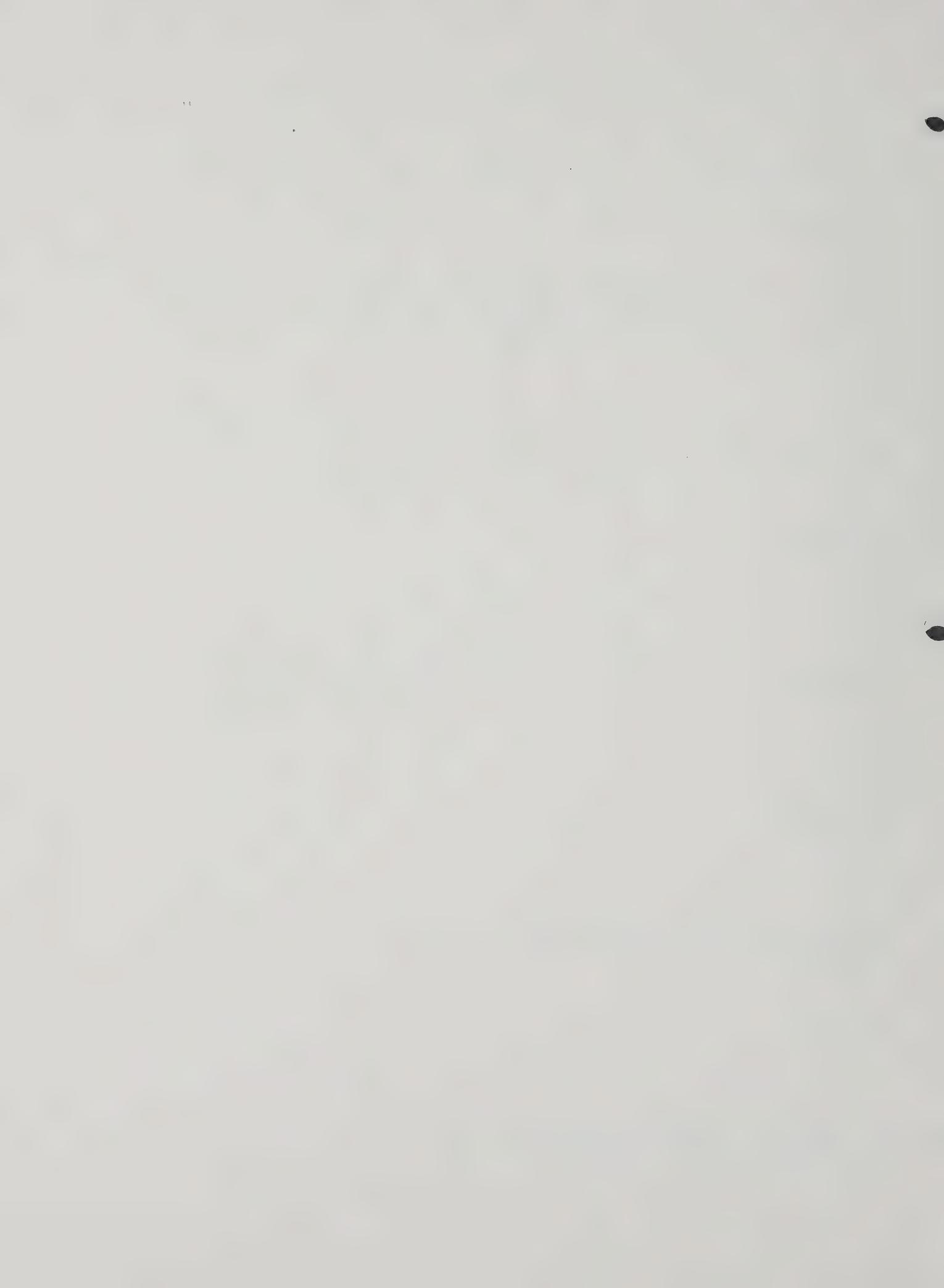
Director,
Department of Conservation

APPROVED:

Chairman, Illinois Nature Preserves
Commission

ATTEST:

Secretary, Illinois Nature Preserves
Commission



LEMMER, BOGGS, KNUPPEL & KREBAUM, P. C.

ATTORNEYS

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DON P. BOGGS
WILLIAM H. KNUPPEL
EDWARD A. KREBAUM

RICHARD W. VELDE
1907-1970

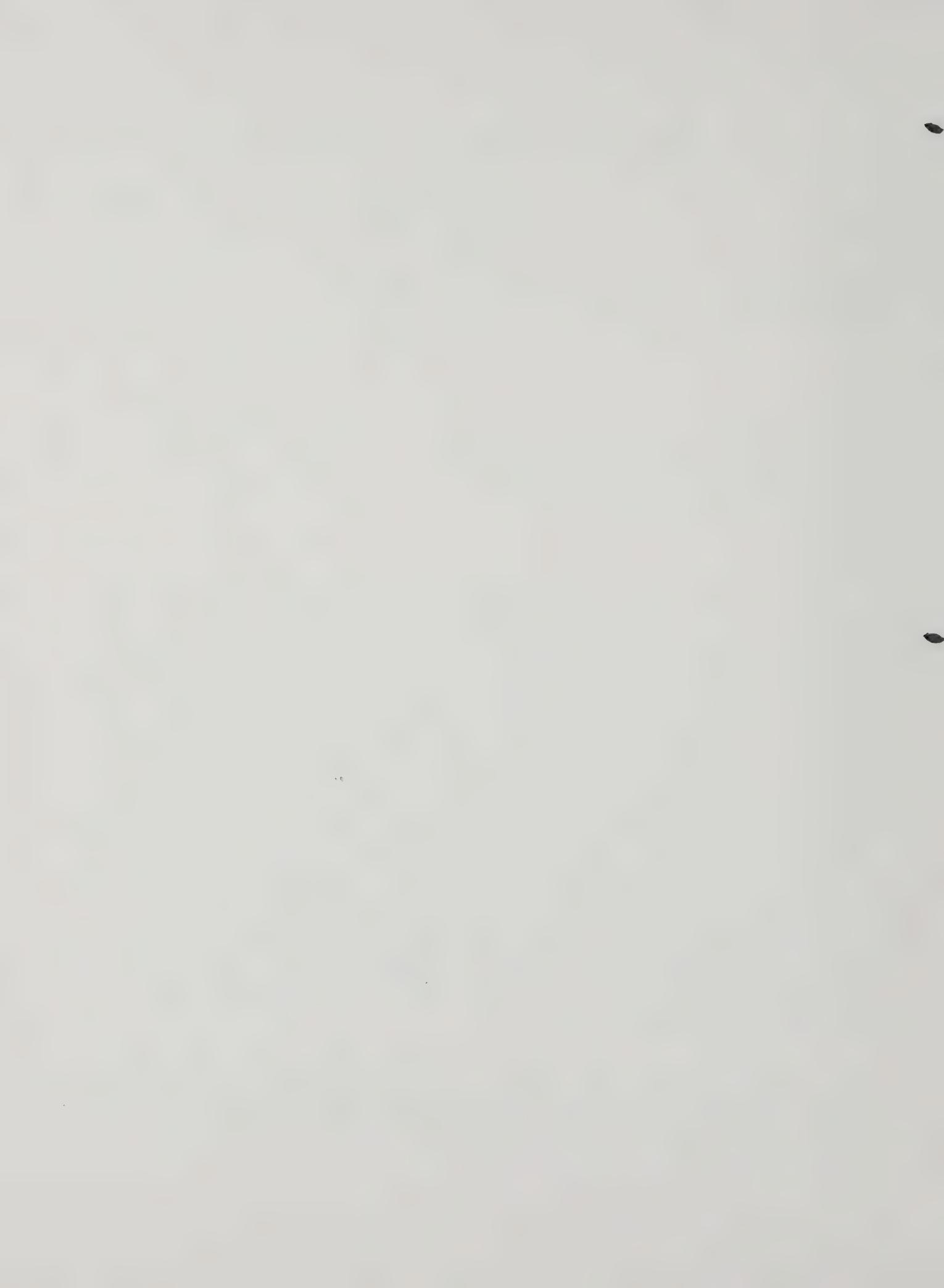
May 14, 1981

David Kenney
Illinois Department of Conservation
605 William G. Stratton Building
400 South Spring Street
Springfield, Illinois

Dear Mr. Kenney:

I am enclosing herewith for your reference a copy of your letter of March 26, 1981 regarding the construction of a highway through Section 14 in Bath Township, Mason County, Illinois. The original proposal was to construct this highway on right-of-way obtained equally from the State of Illinois Department of Conservation (Illinois Nature Preserve Commission) and the adjoining land owner, Robert Spanski. We have already been through a trial court proceeding and to the Appellate Court with regard to the Spanski property and the Illinois Appellate Court ruled that we must go through a certain procedure before we can condemn the Spanski portion for this project. Rather than to start back through this again and face the possibility of further appeals, we would request consideration from the Illinois Department of Conservation through the Illinois Nature Preserve Commission to construct this road entirely upon the State Of Illinois land. At the present time, the road right-of-way has been acquired to the mid-point of the east line of Section Fourteen (14) and the Township now proposes to put a slight jog in the road to the West and continue the road on North to the North boundary of Section 14. As soon as this road is completed the existing angular road through Section 14 would be vacated and the title to that road would vest back in the State of Illinois, Department of Conservation.

We would ask that either your department give this proper consideration or, if this falls within the jurisdiction of the Illinois Nature Preserve Commission that they take appropriate action with regard thereto so that the Township will know how to proceed.



David Kenney
Illinois Department of Conservation
May 14, 1981
Page Two

I am enclosing a photocopy from the relevant page of the Mason County Plat Book for your reference as well as a copy of your letter of March 26, 1981.

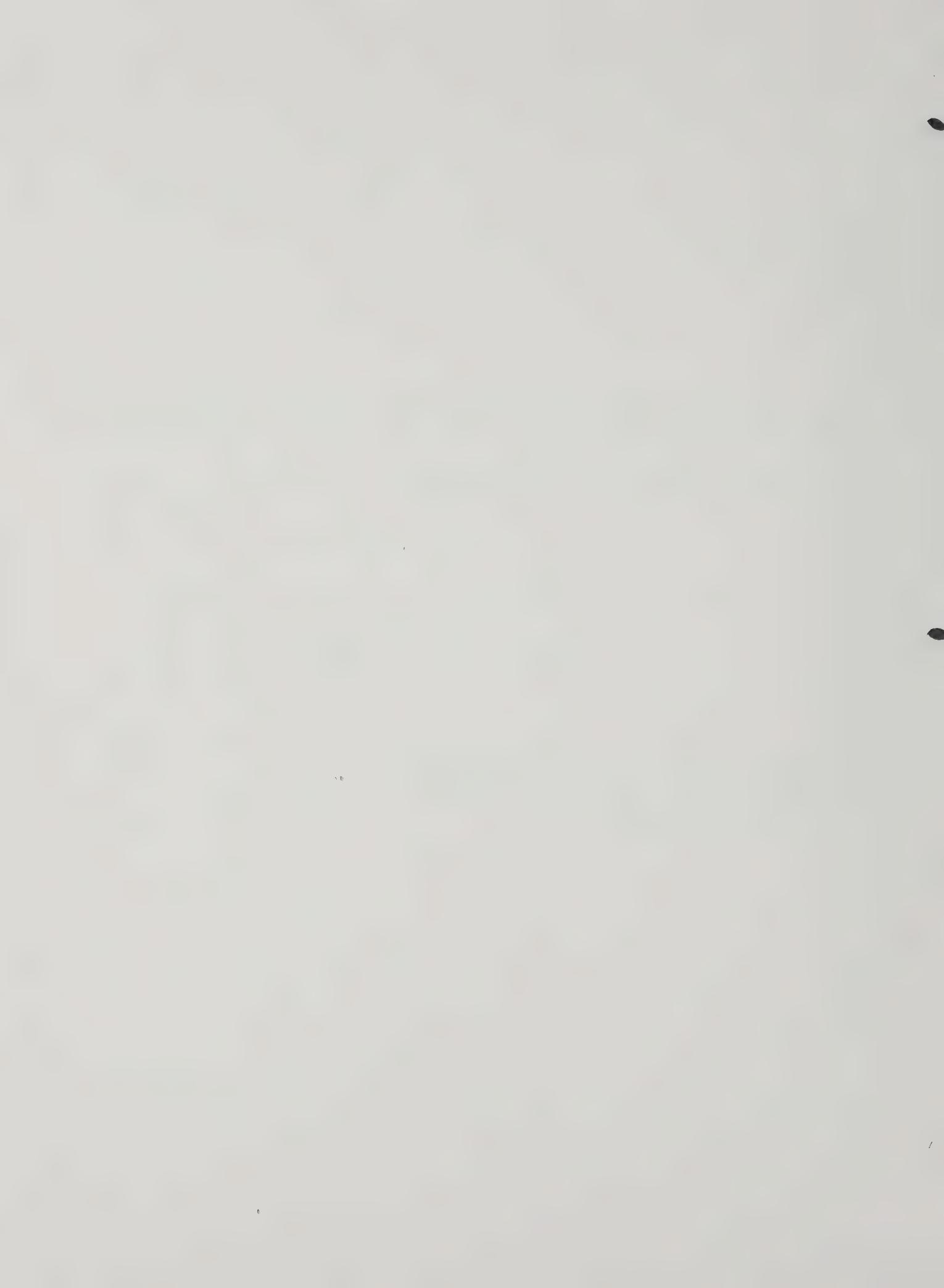
Thank you for your consideration.

Sincerely yours,

WILLIAM H. KNUPPEL

WHK:gs
Encl.

cc: Illinois Nature Preserve Commission
George B. Fell, Executive Secretary
320 South Third Street
Rockford, Illinois 61108



March 26, 1981

Mr. John Griffie
Commissioner of Highways
Town of Bath
Bath, Illinois 62617

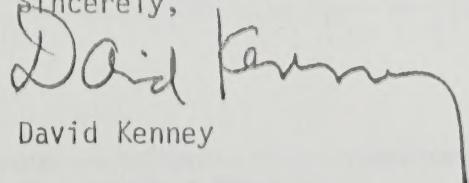
Dear Mr. Griffie:

I am writing regarding the question of whether it is desirable to construct a new highway along the east boundary of Section 14, Township 20 North, Range 9 West of the 3rd Principal Meridian in the Township of Bath, Mason County, Illinois which is the subject of a public hearing at the site of the proposed highway on March 28, 1981.

The Department of Conservation favors construction of the new highway on the condition that the existing public road that passes through said Section 14 and the Department's Sand Prairie-Scrub Oak Nature Preserve is vacated and reverts to Department of Conservation ownership. The existing road through the preserve is a source of dumping and disruption to wildlife within the preserve.

The road proposal, as described in the public hearing notice, involves use of a strip of land 33 feet wide off of the east edge of the preserve. The Department of Conservation and the Illinois Nature Preserve Commission have previously given their approval to use of 25 feet but not 33 feet. Since the existing roadway was built to the same specification on a 50 foot right-of-way, we see no reason why the completion of the road should require more land. Therefore we object to the utilization of 33 feet of our property for this project, but approve of the use of 25 feet.

Sincerely,


David Kenney

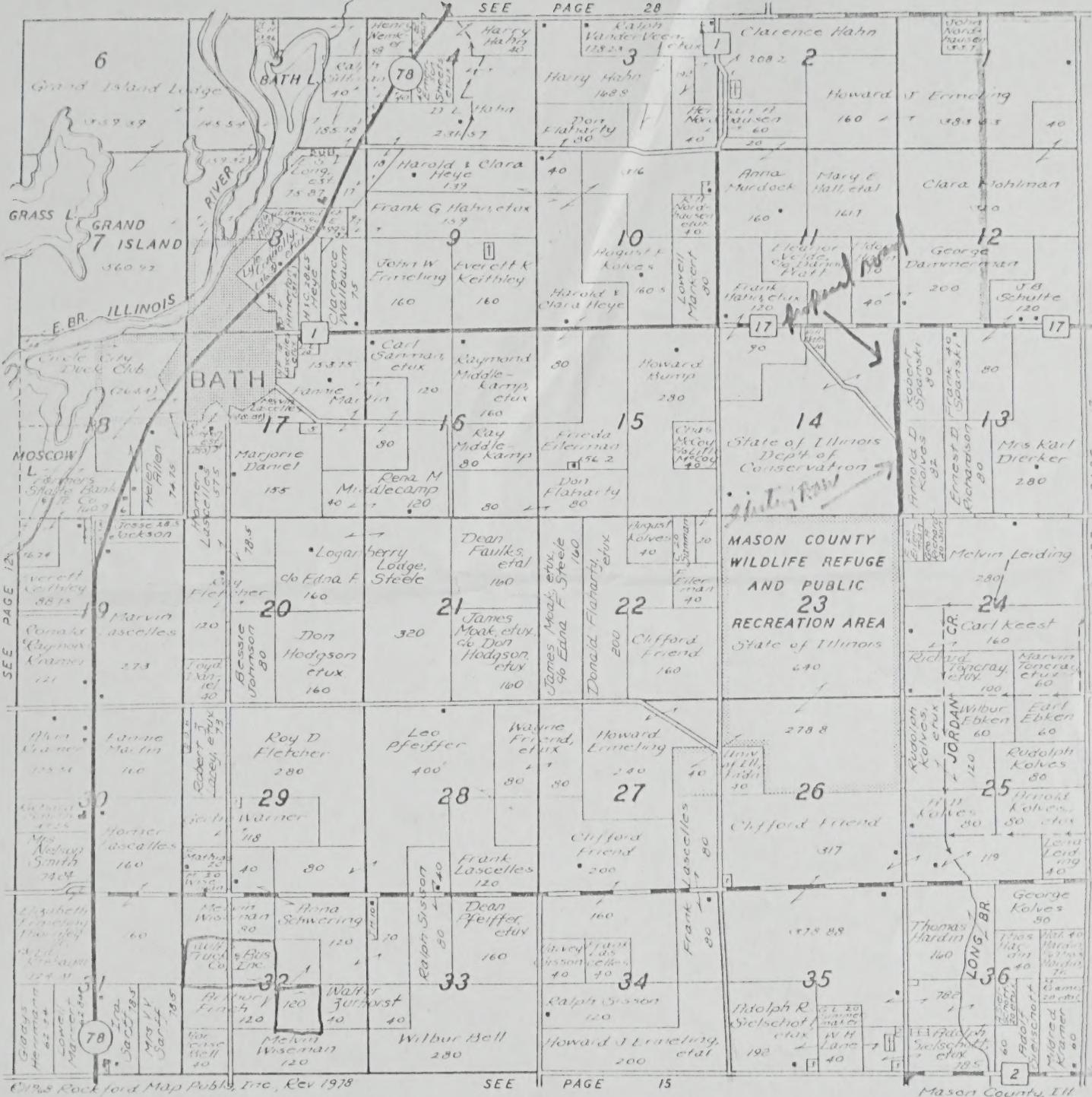
DK:ASM:m

EAST CENTRAL PART BATH

T. 20N.-R. 9 W.

SEE PAGE 28

PAGE 28



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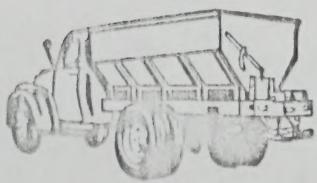
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